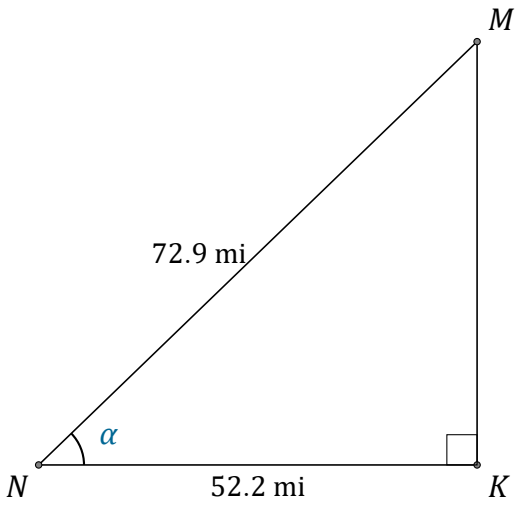
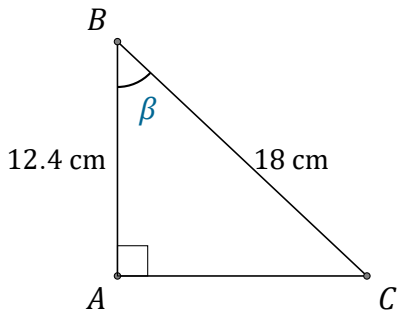
Cosine Ratio (A)

Name: _____ Date: _____

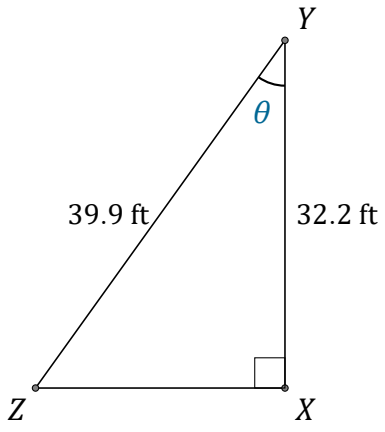
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



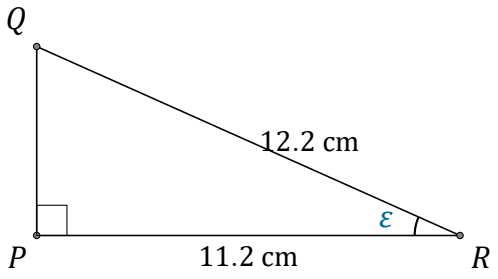
$\alpha = \angle KNM =$ _____



$\beta = \angle ABC =$ _____



$\theta = \angle XYZ =$ _____

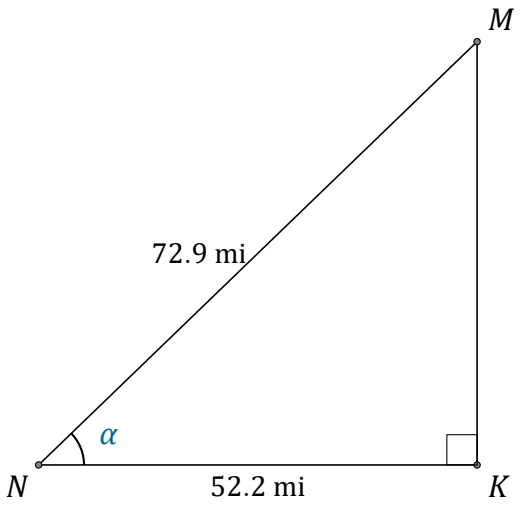


$\varepsilon = \angle PRQ =$ _____

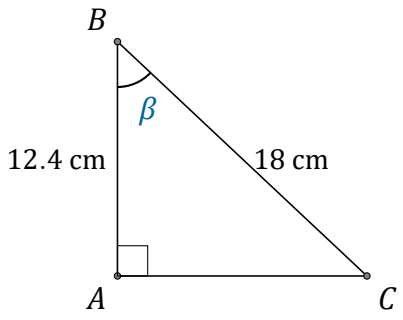
Cosine Ratio (A) Answers

Name: _____ Date: _____

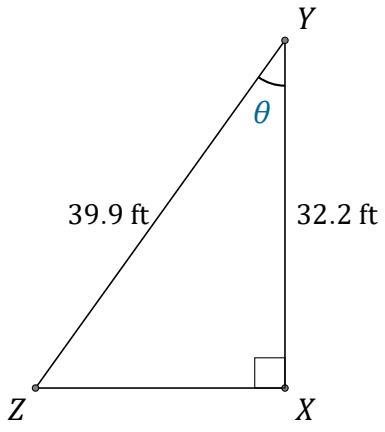
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



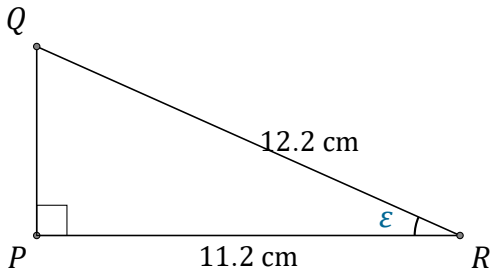
$\alpha = \angle KNM =$ 44.3°



$\beta = \angle ABC =$ 46.5°



$\theta = \angle XYZ =$ 36.2°

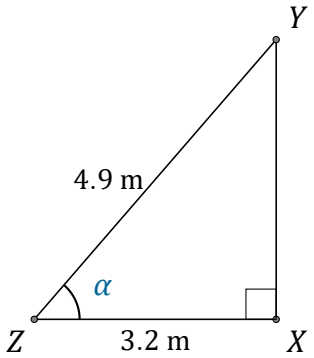


$\varepsilon = \angle PRQ =$ 23.4°

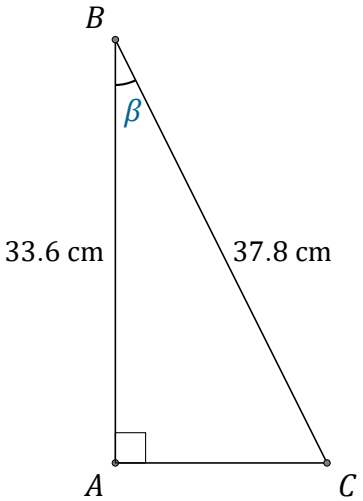
Cosine Ratio (B)

Name: _____ Date: _____

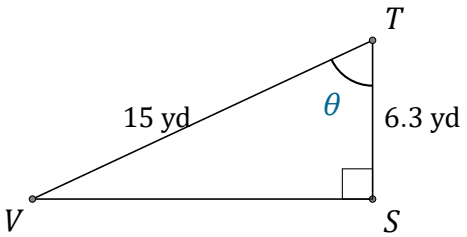
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



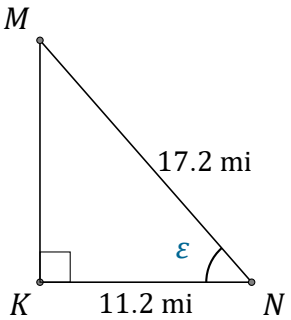
$\alpha = \angle XZY =$ _____



$\beta = \angle ABC =$ _____



$\theta = \angle STV =$ _____

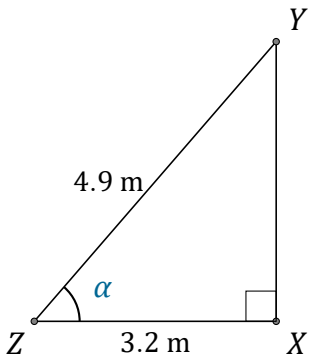


$\varepsilon = \angle KNM =$ _____

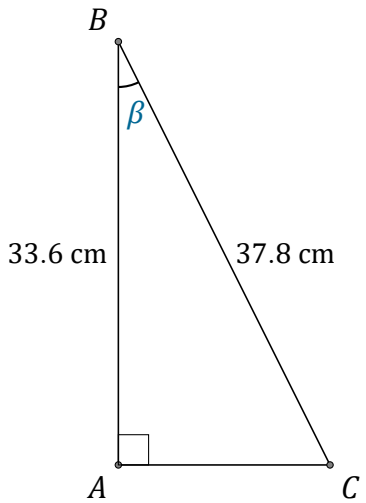
Cosine Ratio (B) Answers

Name: _____ Date: _____

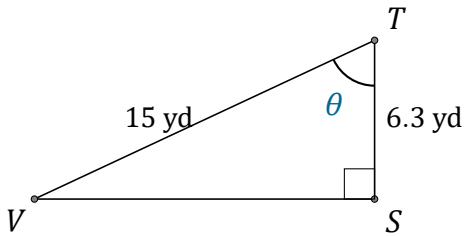
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



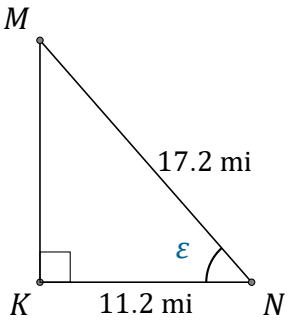
$\alpha = \angle XZY =$ 49.2°



$\beta = \angle ABC =$ 27.3°



$\theta = \angle STV =$ 65.2°

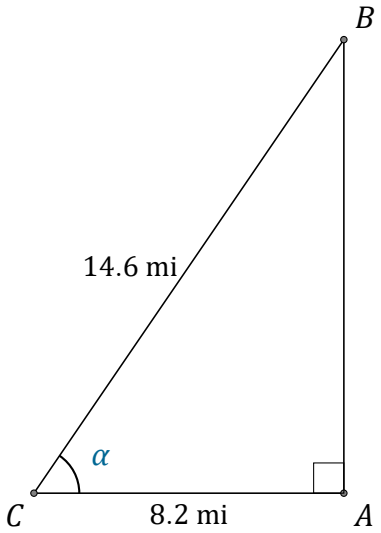


$\varepsilon = \angle KNM =$ 49.4°

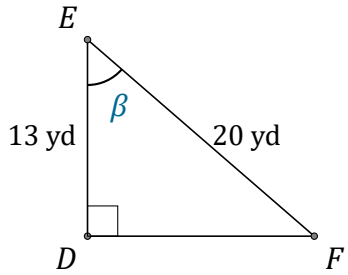
Cosine Ratio (C)

Name: _____ Date: _____

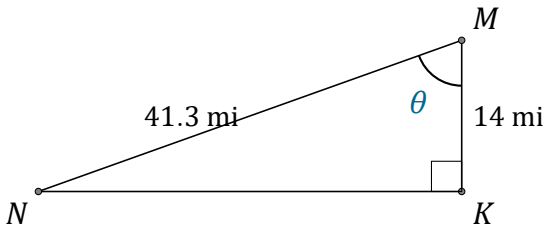
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



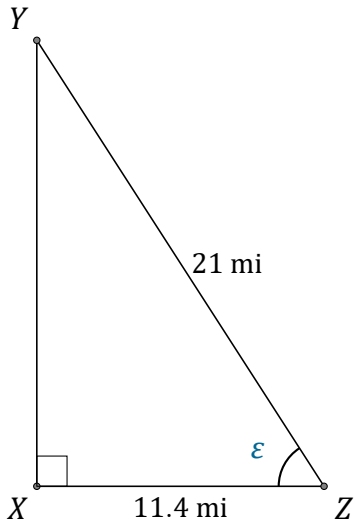
$\alpha = \angle ACB =$ _____



$\beta = \angle DEF =$ _____



$\theta = \angle KMN =$ _____

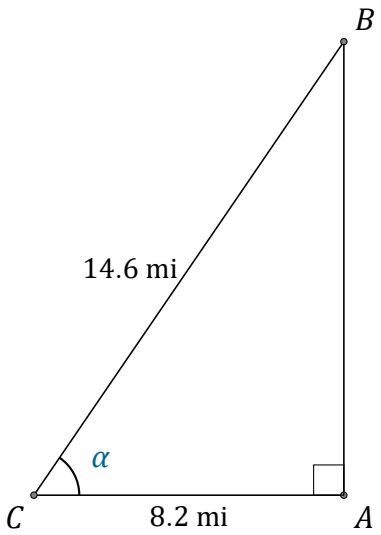


$\varepsilon = \angle XZY =$ _____

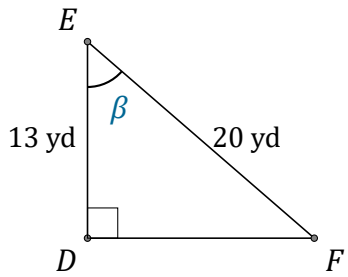
Cosine Ratio (C) Answers

Name: _____ Date: _____

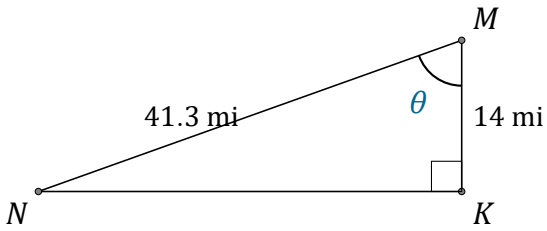
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



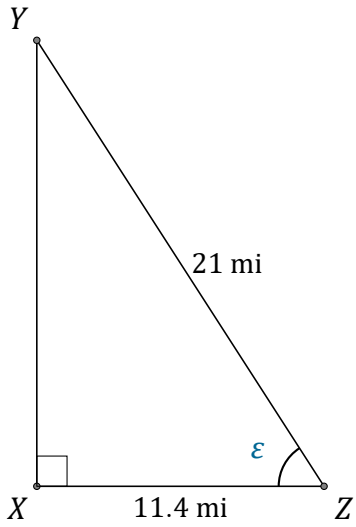
$\alpha = \angle ACB =$ 55.8°



$\beta = \angle DEF =$ 49.5°



$\theta = \angle KMN =$ 70.2°

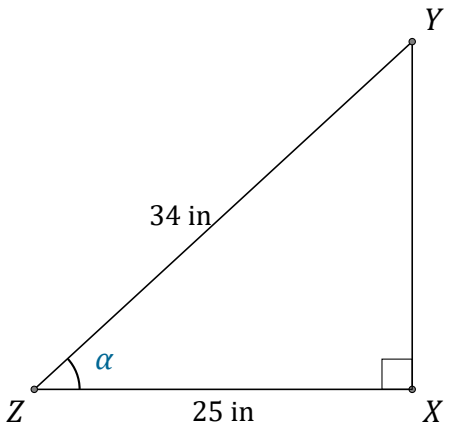


$\varepsilon = \angle XZY =$ 57.1°

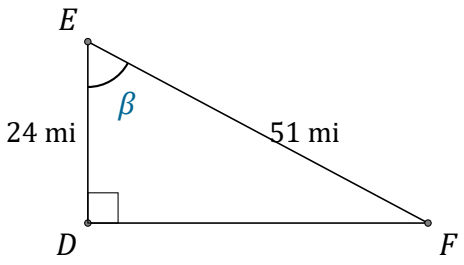
Cosine Ratio (D)

Name: _____ Date: _____

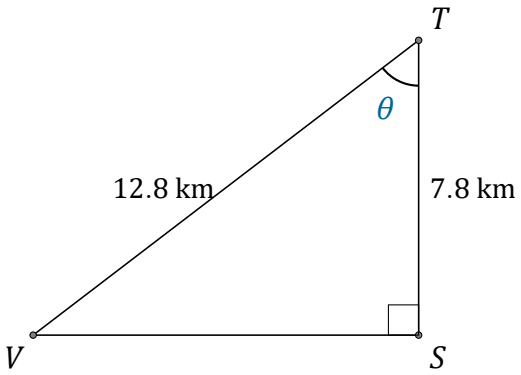
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



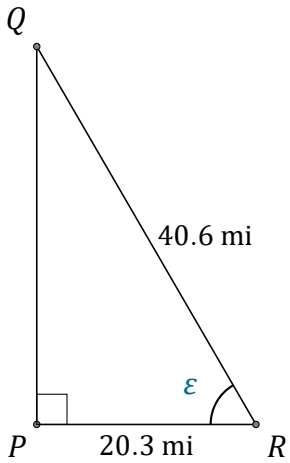
$\alpha = \angle XZY =$ _____



$\beta = \angle DEF =$ _____



$\theta = \angle STV =$ _____

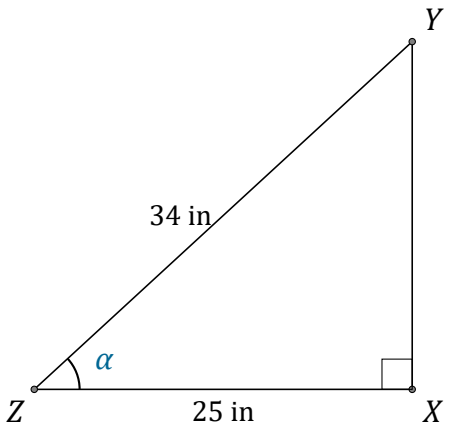


$\varepsilon = \angle PRQ =$ _____

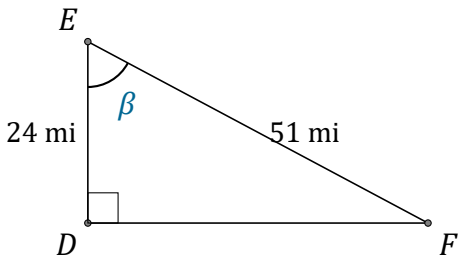
Cosine Ratio (D) Answers

Name: _____ Date: _____

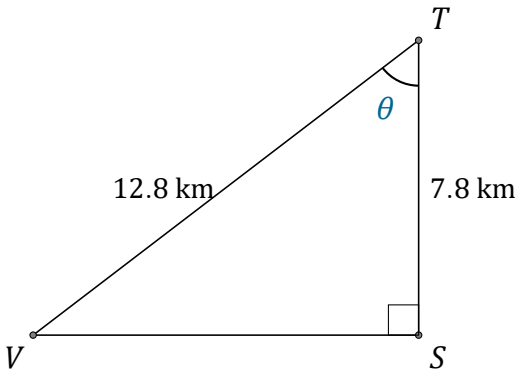
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



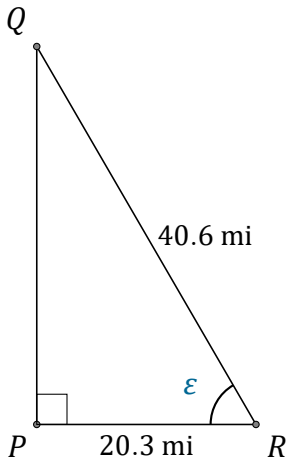
$\alpha = \angle XZY =$ 42.7°



$\beta = \angle DEF =$ 61.9°



$\theta = \angle STV =$ 52.5°

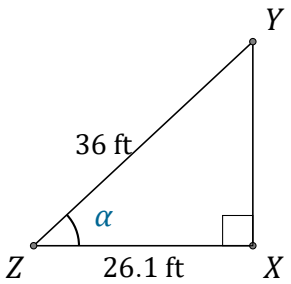


$\varepsilon = \angle PRQ =$ 60°

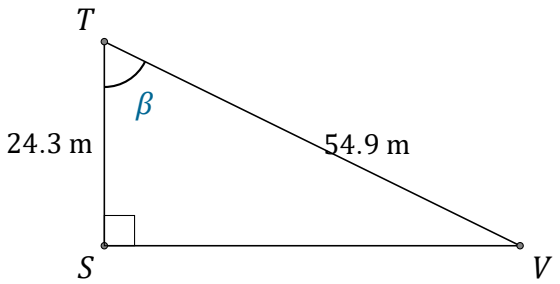
Cosine Ratio (E)

Name: _____ Date: _____

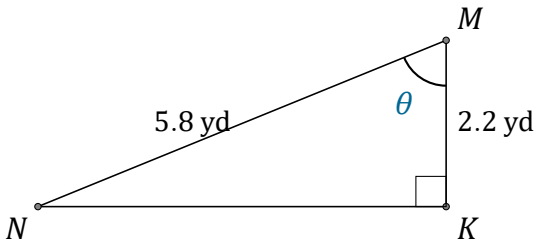
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



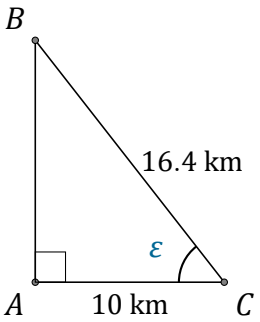
$\alpha = \angle XZY =$ _____



$\beta = \angle STV =$ _____



$\theta = \angle KMN =$ _____

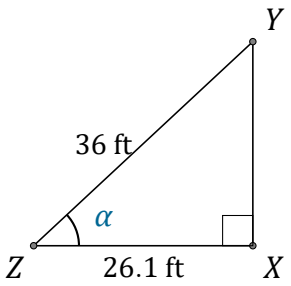


$\varepsilon = \angle ACB =$ _____

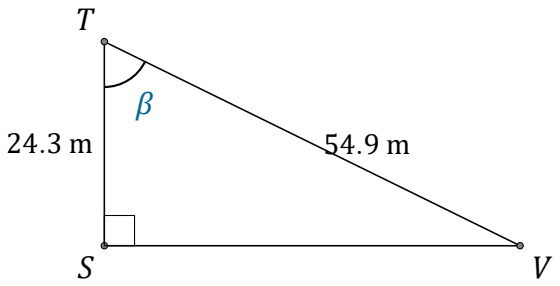
Cosine Ratio (E) Answers

Name: _____ Date: _____

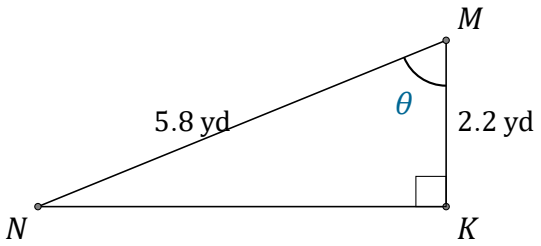
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



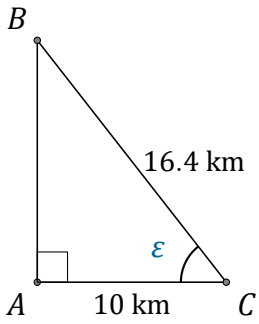
$\alpha = \angle XZY =$ 43.5°



$\beta = \angle STV =$ 63.7°



$\theta = \angle KMN =$ 67.7°

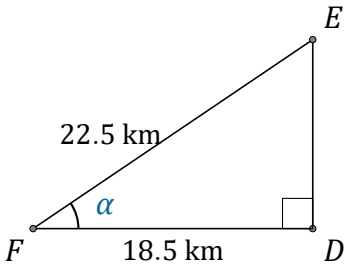


$\varepsilon = \angle ACB =$ 52.4°

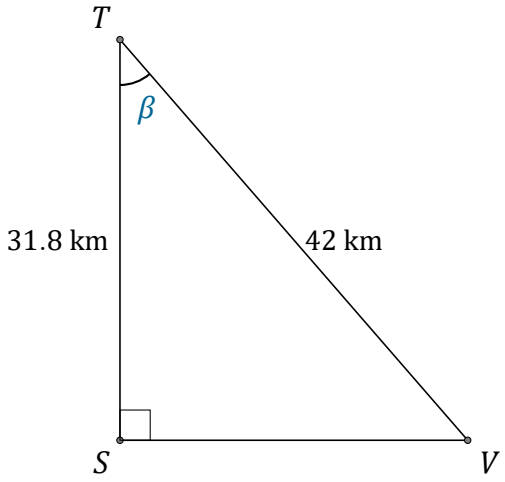
Cosine Ratio (F)

Name: _____ Date: _____

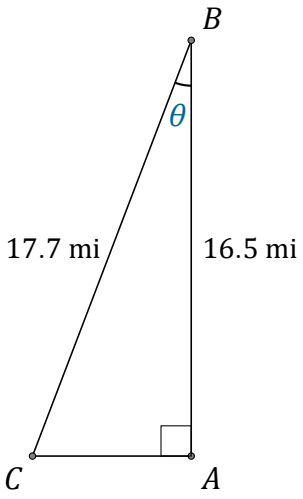
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



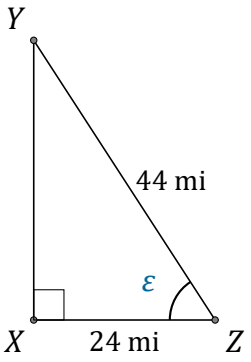
$\alpha = \angle DFE =$ _____



$\beta = \angle STV =$ _____



$\theta = \angle ABC =$ _____

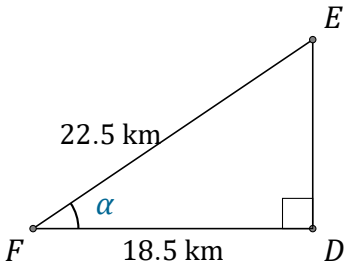


$\varepsilon = \angle XZY =$ _____

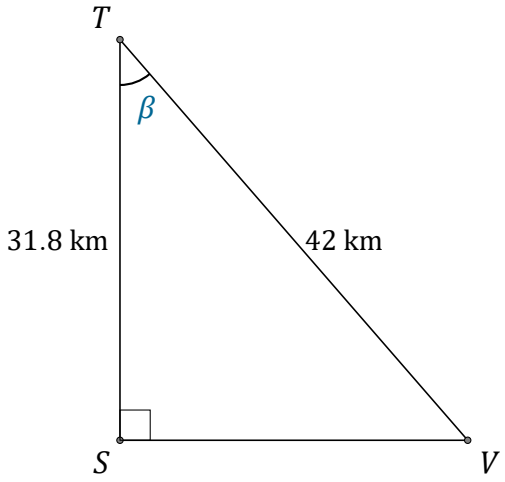
Cosine Ratio (F) Answers

Name: _____ Date: _____

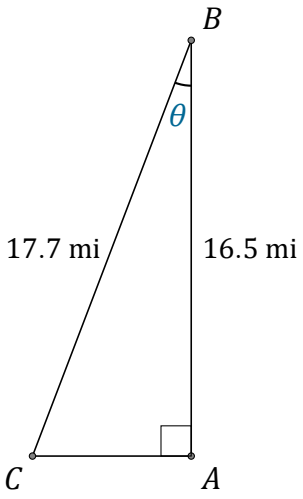
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



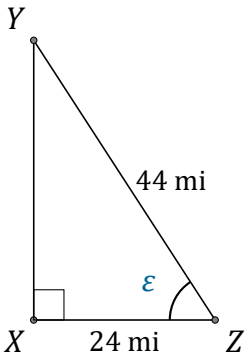
$\alpha = \angle DFE =$ 34.7°



$\beta = \angle STV =$ 40.8°



$\theta = \angle ABC =$ 21.2°

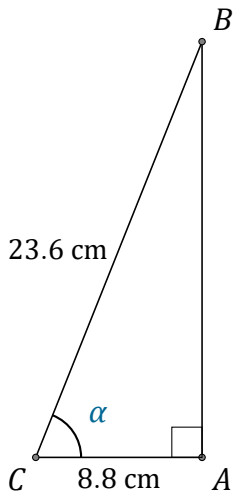


$\varepsilon = \angle XZY =$ 56.9°

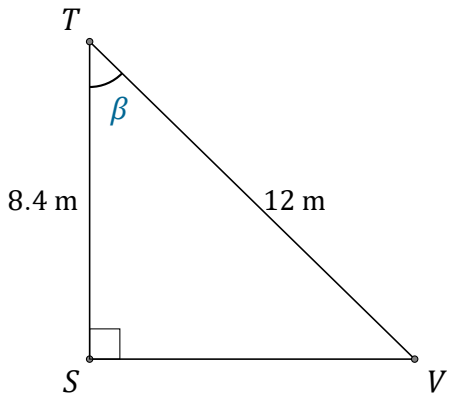
Cosine Ratio (G)

Name: _____ Date: _____

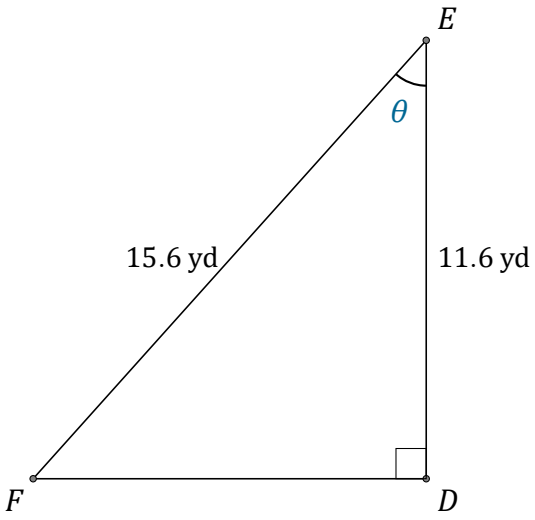
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



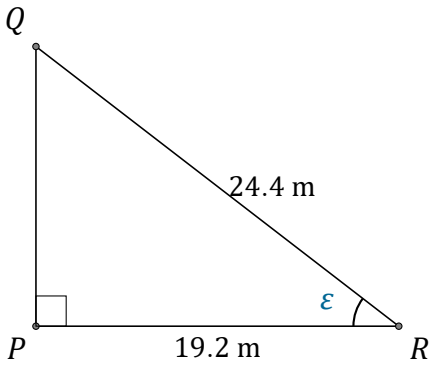
$\alpha = \angle ACB =$ _____



$\beta = \angle STV =$ _____



$\theta = \angle DEF =$ _____

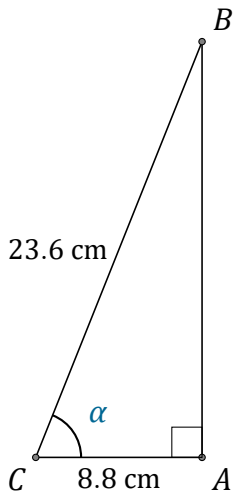


$\varepsilon = \angle PRQ =$ _____

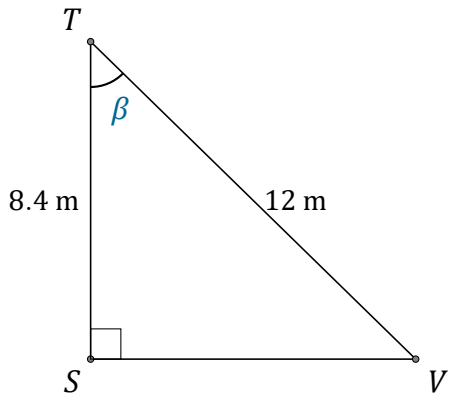
Cosine Ratio (G) Answers

Name: _____ Date: _____

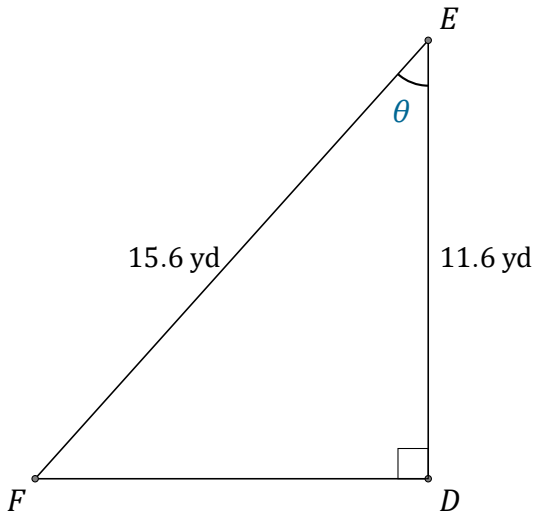
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



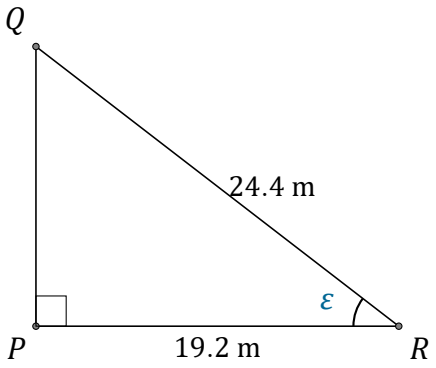
$\alpha = \angle ACB =$ 68.1°



$\beta = \angle STV =$ 45.6°



$\theta = \angle DEF =$ 42°

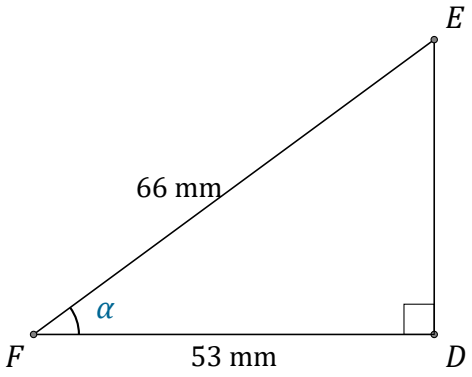


$\varepsilon = \angle PRQ =$ 38.1°

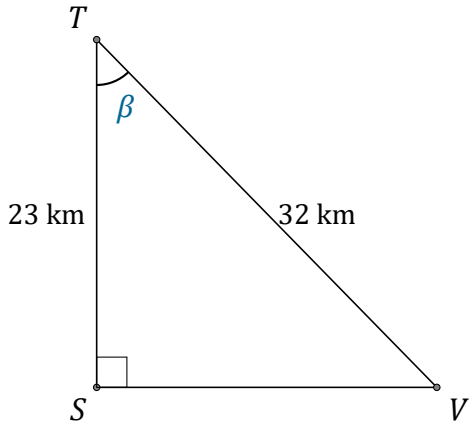
Cosine Ratio (H)

Name: _____ Date: _____

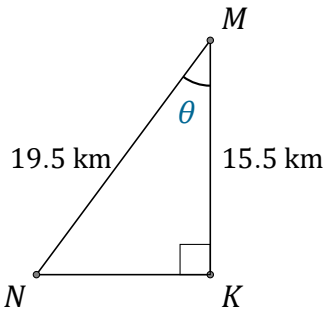
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



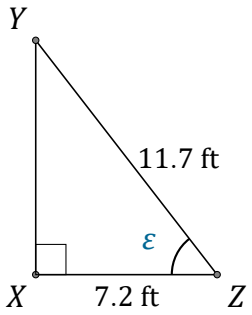
$\alpha = \angle DFE =$ _____



$\beta = \angle STV =$ _____



$\theta = \angle KMN =$ _____

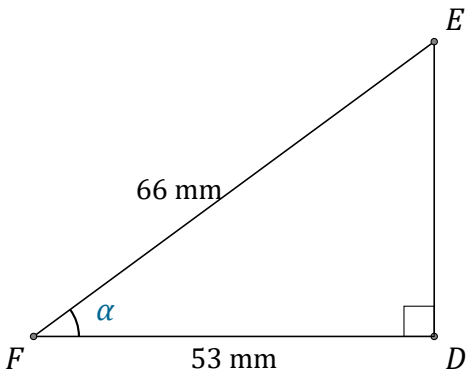


$\varepsilon = \angle XZY =$ _____

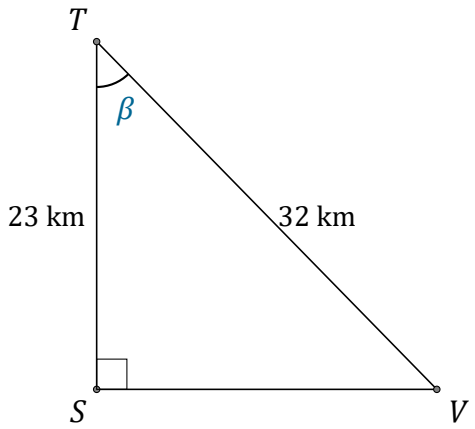
Cosine Ratio (H) Answers

Name: _____ Date: _____

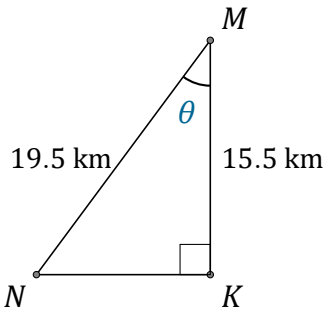
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



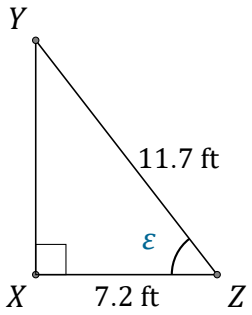
$\alpha = \angle DFE =$ 36.6°



$\beta = \angle STV =$ 44°



$\theta = \angle KMN =$ 37.4°

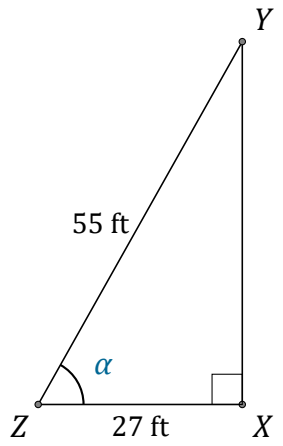


$\varepsilon = \angle XZY =$ 52°

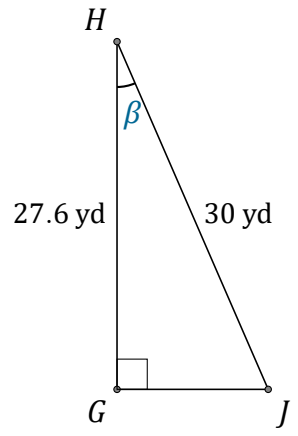
Cosine Ratio (I)

Name: _____ Date: _____

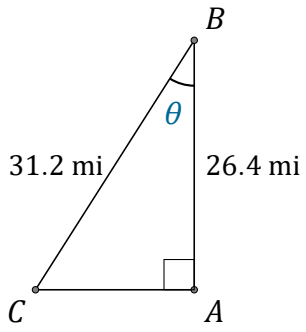
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



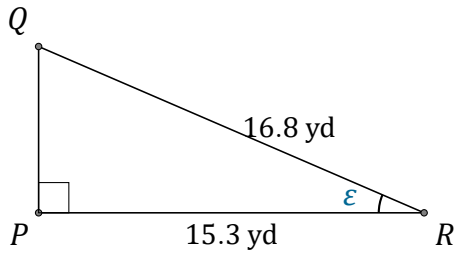
$\alpha = \angle XZY =$ _____



$\beta = \angle GHJ =$ _____



$\theta = \angle ABC =$ _____

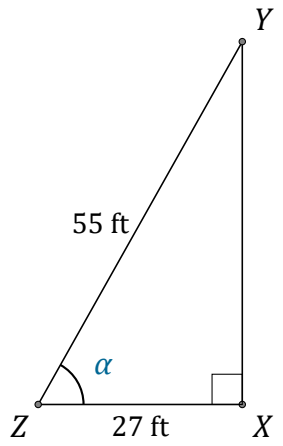


$\varepsilon = \angle PRQ =$ _____

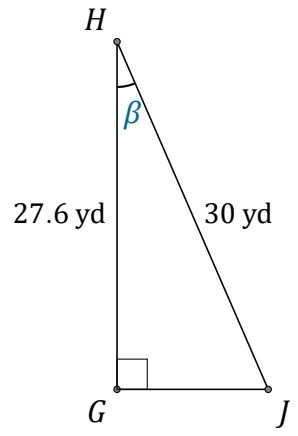
Cosine Ratio (I) Answers

Name: _____ Date: _____

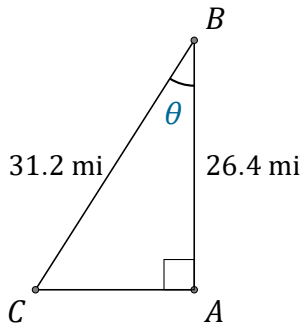
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



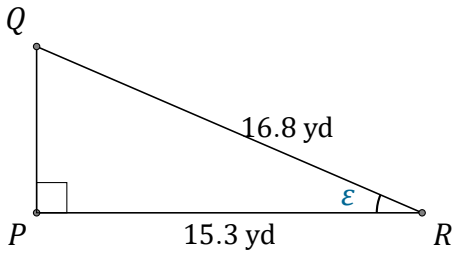
$\alpha = \angle XZY =$ 60.6°



$\beta = \angle GHJ =$ 23.1°



$\theta = \angle ABC =$ 32.2°

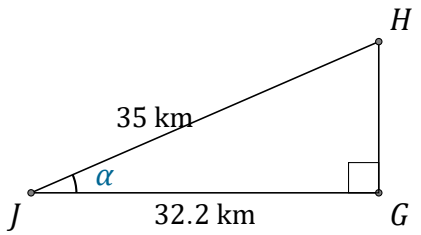


$\varepsilon = \angle PRQ =$ 24.4°

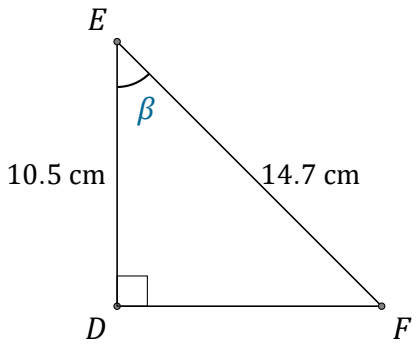
Cosine Ratio (J)

Name: _____ Date: _____

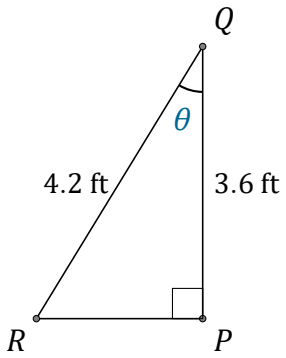
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



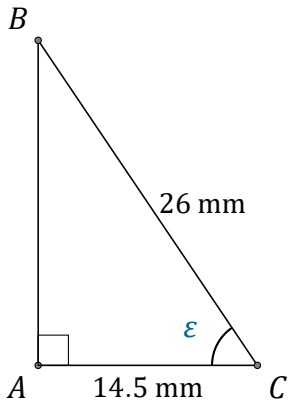
$\alpha = \angle GJH =$ _____



$\beta = \angle DEF =$ _____



$\theta = \angle PQR =$ _____

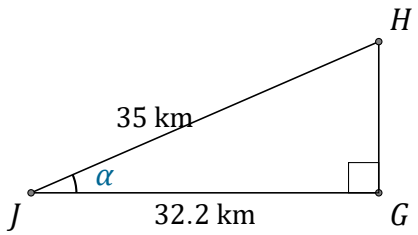


$\varepsilon = \angle ACB =$ _____

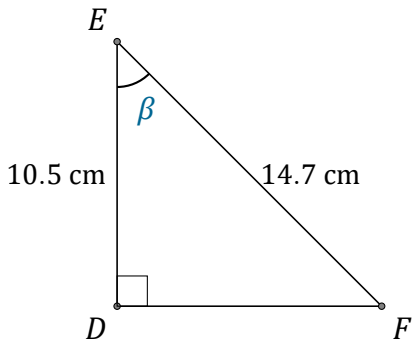
Cosine Ratio (J) Answers

Name: _____ Date: _____

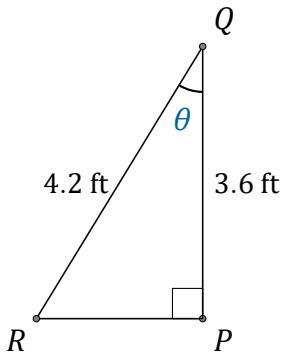
Calculate the angle values using the cosine ratio: $cos(\alpha) = \frac{A}{H}$



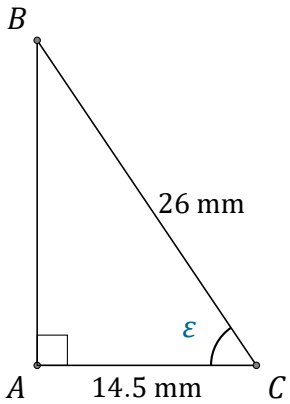
$\alpha = \angle GJH =$ 23.1°



$\beta = \angle DEF =$ 44.4°



$\theta = \angle PQR =$ 31°



$\varepsilon = \angle ACB =$ 56.1°