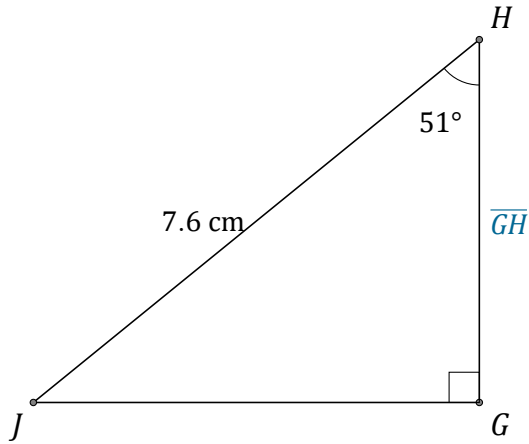


Cosine Ratio (A)

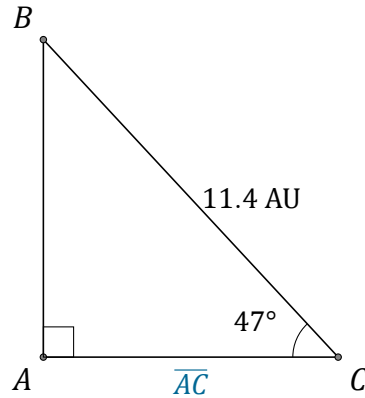
Name: _____

Date: _____

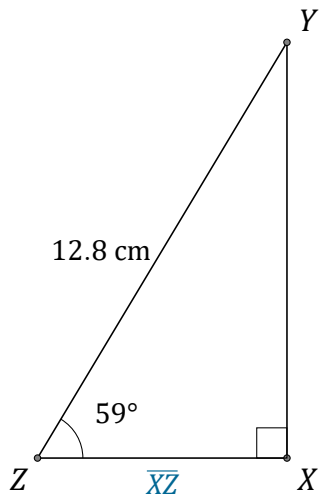
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



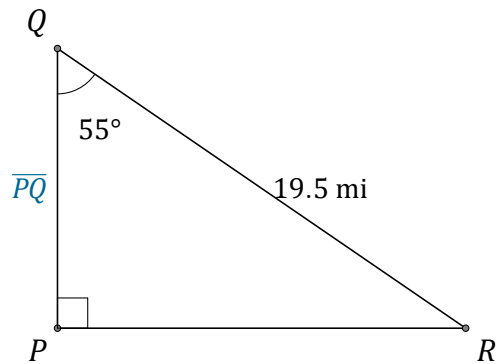
$\overline{GH} =$ _____



$\overline{AC} =$ _____



$\overline{XZ} =$ _____



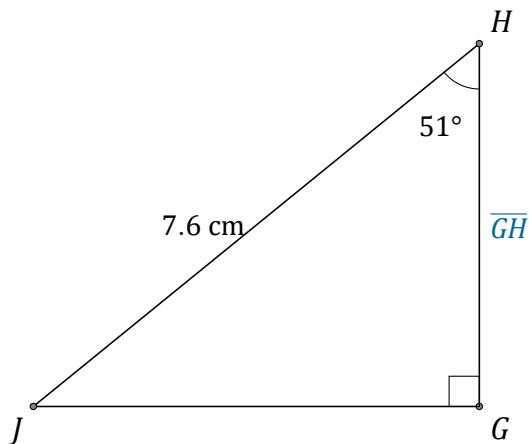
$\overline{PQ} =$ _____

Cosine Ratio (A) Answers

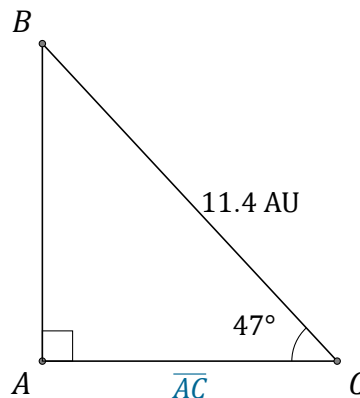
Name: _____

Date: _____

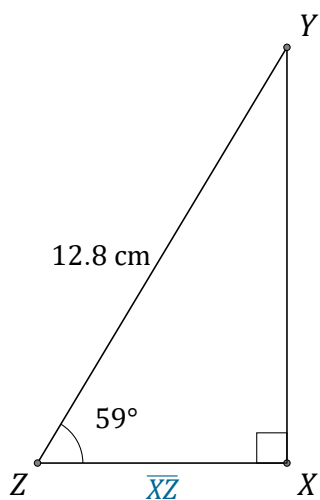
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



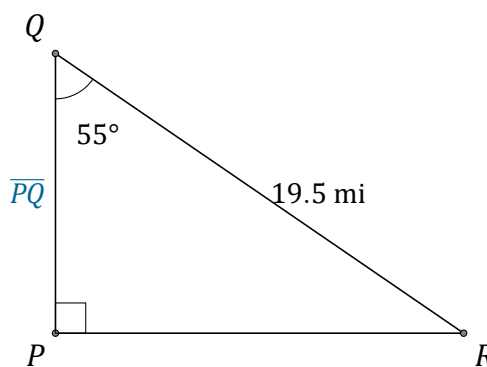
$$\overline{GH} = \underline{4.8 \text{ cm}}$$



$$\overline{AC} = \underline{7.8 \text{ AU}}$$



$$\overline{XZ} = \underline{6.6 \text{ cm}}$$



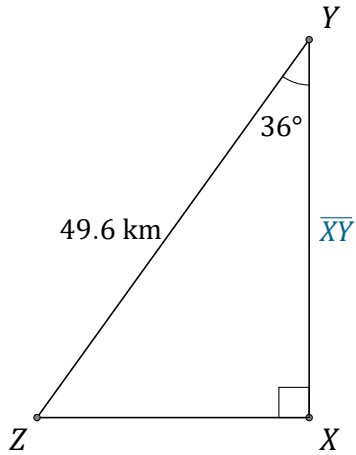
$$\overline{PQ} = \underline{11.2 \text{ mi}}$$

Cosine Ratio (B)

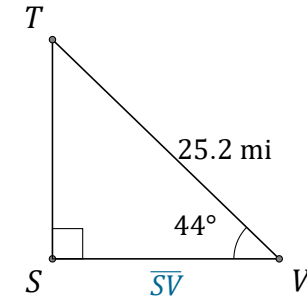
Name: _____

Date: _____

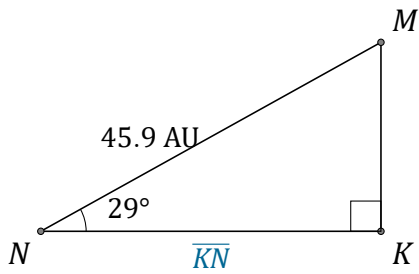
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



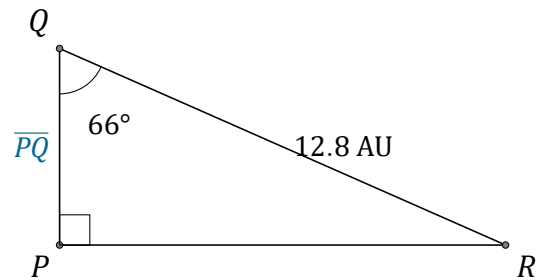
$\overline{XY} =$ _____



$\overline{SV} =$ _____



$\overline{KN} =$ _____



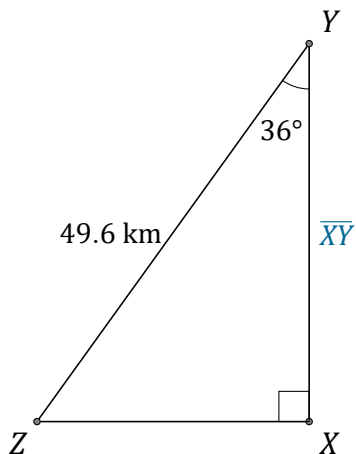
$\overline{PQ} =$ _____

Cosine Ratio (B) Answers

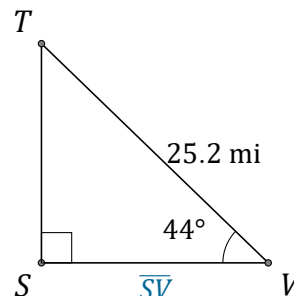
Name: _____

Date: _____

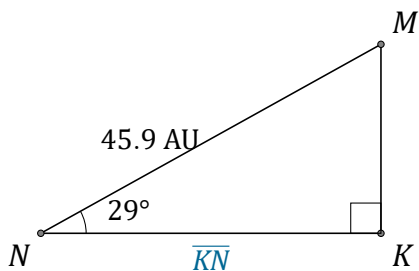
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



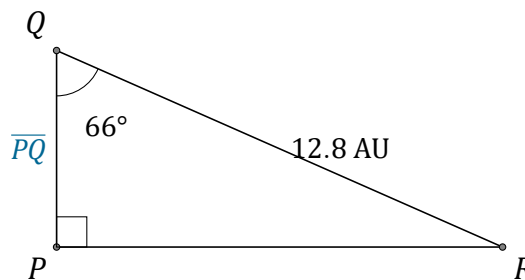
$$\overline{XY} = \underline{40.1 \text{ km}}$$



$$\overline{SV} = \underline{18.1 \text{ mi}}$$



$$\overline{KN} = \underline{40.1 \text{ AU}}$$



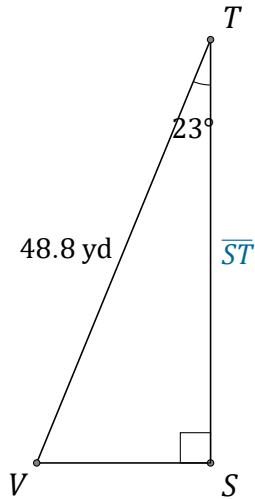
$$\overline{PQ} = \underline{5.2 \text{ AU}}$$

Cosine Ratio (C)

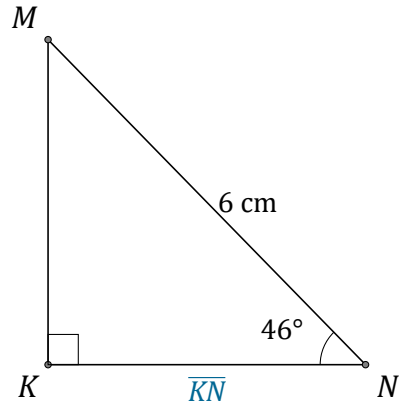
Name: _____

Date: _____

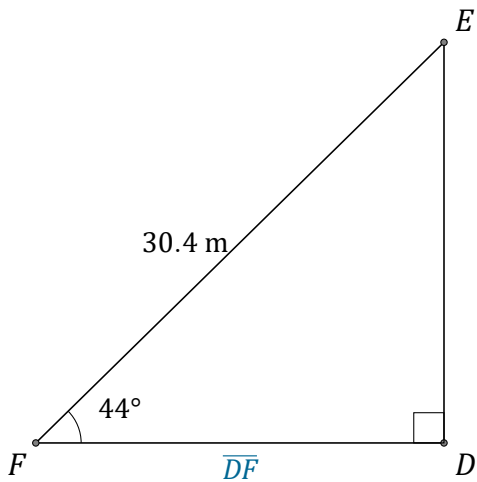
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



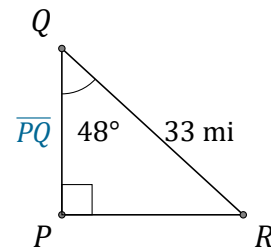
$\overline{ST} =$ _____



$\overline{KN} =$ _____



$\overline{DF} =$ _____



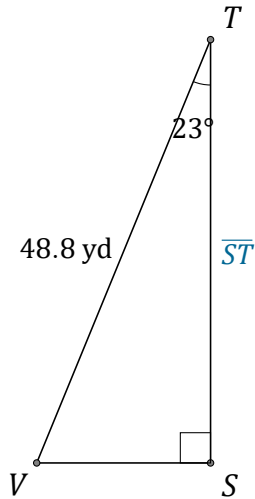
$\overline{PQ} =$ _____

Cosine Ratio (C) Answers

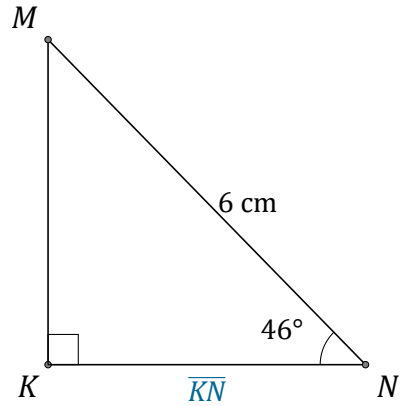
Name: _____

Date: _____

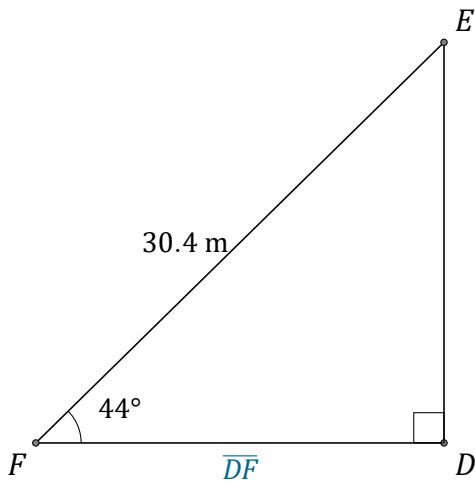
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



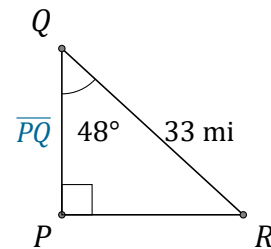
$$\overline{ST} = \underline{44.9 \text{ yd}}$$



$$\overline{KN} = \underline{4.2 \text{ cm}}$$



$$\overline{DF} = \underline{21.9 \text{ m}}$$



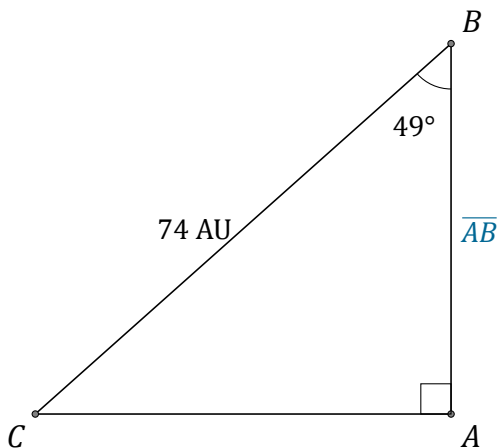
$$\overline{PQ} = \underline{22.1 \text{ mi}}$$

Cosine Ratio (D)

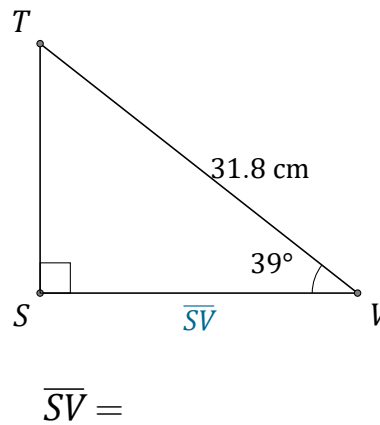
Name: _____

Date: _____

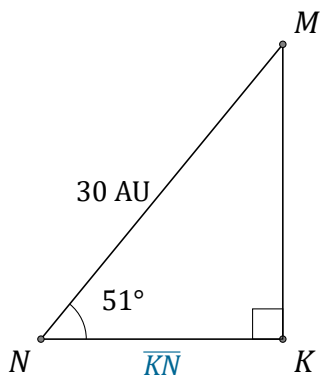
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



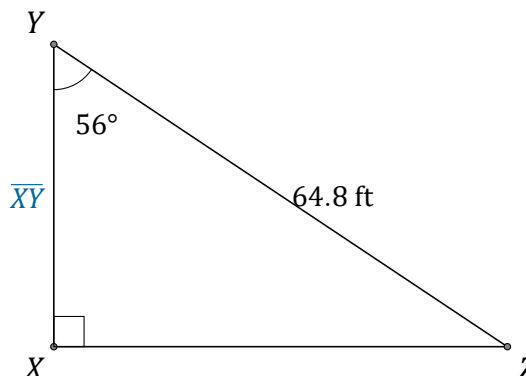
$\overline{AB} =$ _____



$\overline{SV} =$ _____



$\overline{KN} =$ _____



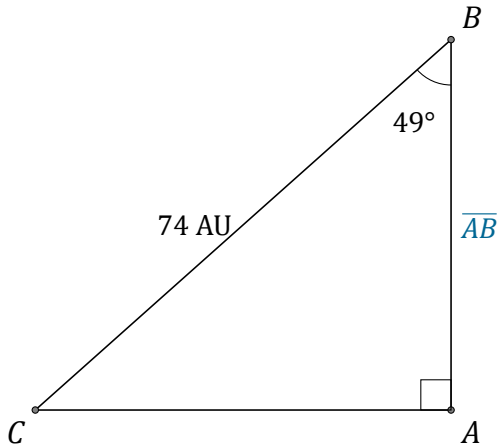
$\overline{XY} =$ _____

Cosine Ratio (D) Answers

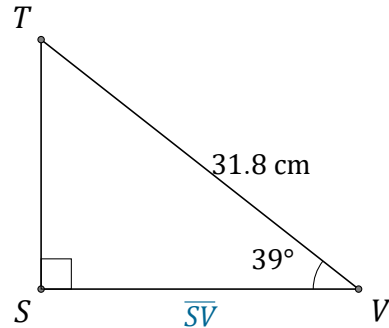
Name: _____

Date: _____

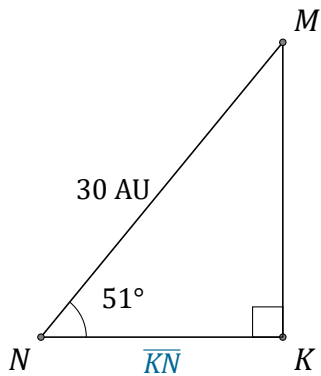
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



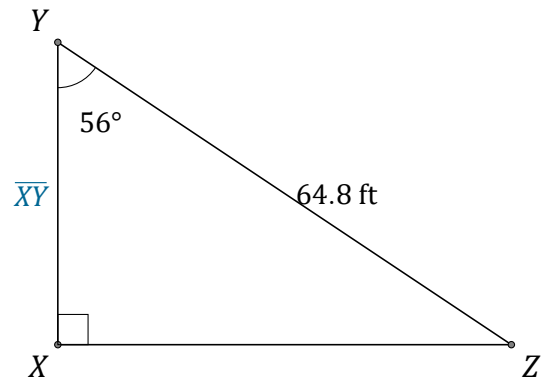
$$\overline{AB} = \underline{48.5 \text{ AU}}$$



$$\overline{SV} = \underline{24.7 \text{ cm}}$$



$$\overline{KN} = \underline{18.9 \text{ AU}}$$



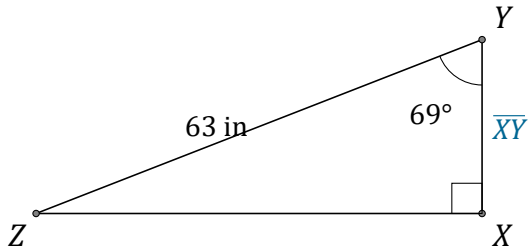
$$\overline{XY} = \underline{36.2 \text{ ft}}$$

Cosine Ratio (E)

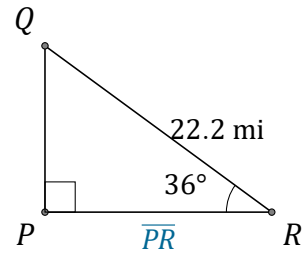
Name: _____

Date: _____

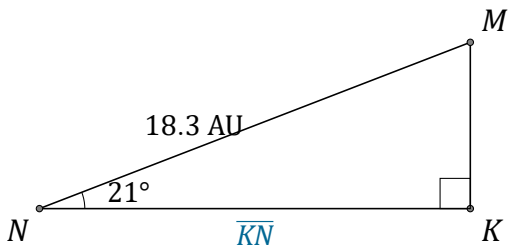
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



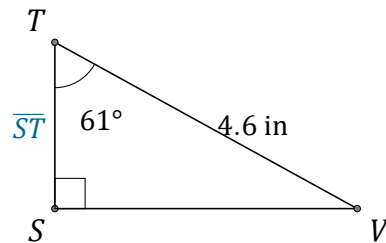
$$\overline{XY} = \underline{\hspace{2cm}}$$



$$\overline{PR} = \underline{\hspace{2cm}}$$



$$\overline{KN} = \underline{\hspace{2cm}}$$



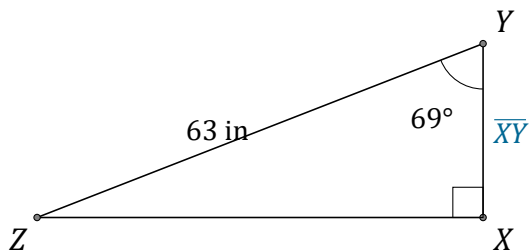
$$\overline{ST} = \underline{\hspace{2cm}}$$

Cosine Ratio (E) Answers

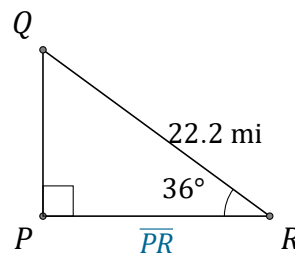
Name: _____

Date: _____

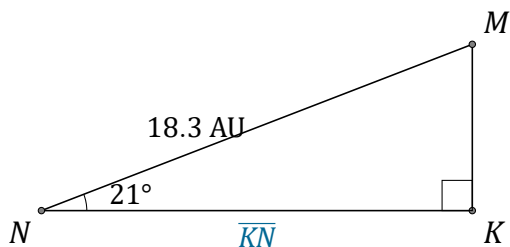
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



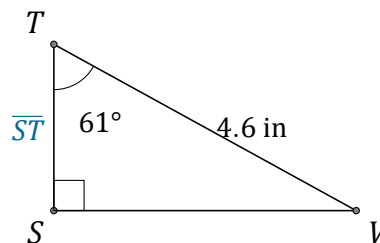
$$\overline{XY} = \underline{22.6 \text{ in}}$$



$$\overline{PR} = \underline{18 \text{ mi}}$$



$$\overline{KN} = \underline{17.1 \text{ AU}}$$



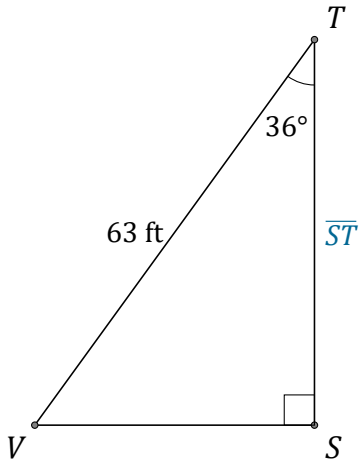
$$\overline{ST} = \underline{2.2 \text{ in}}$$

Cosine Ratio (F)

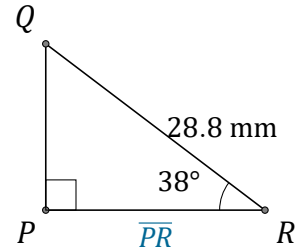
Name: _____

Date: _____

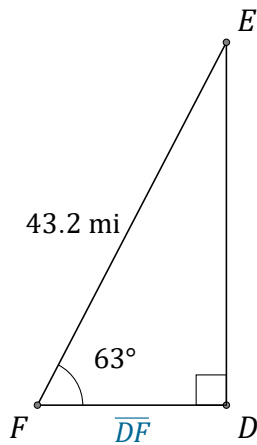
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



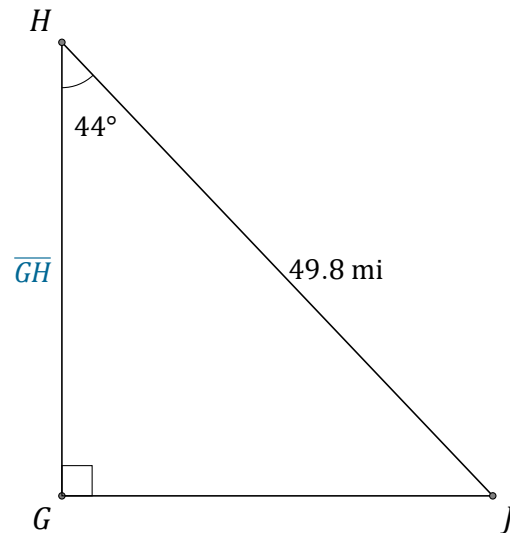
$\overline{ST} =$ _____



$\overline{PR} =$ _____



$\overline{DF} =$ _____



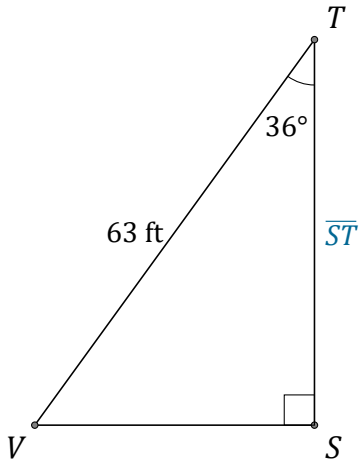
$\overline{GH} =$ _____

Cosine Ratio (F) Answers

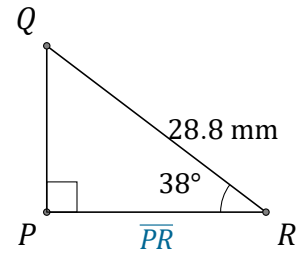
Name: _____

Date: _____

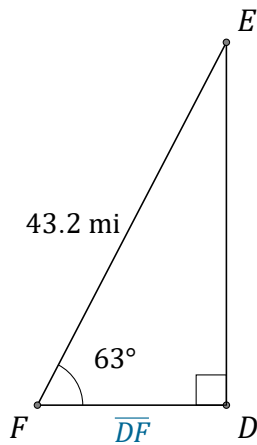
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



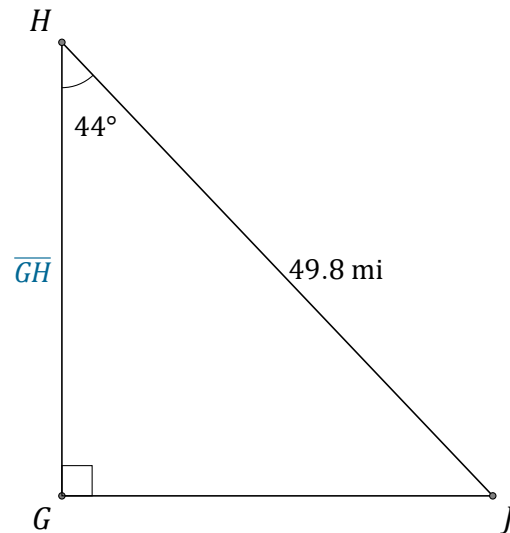
$\overline{ST} = \underline{51 \text{ ft}}$



$\overline{PR} = \underline{22.7 \text{ mm}}$



$\overline{DF} = \underline{19.6 \text{ mi}}$



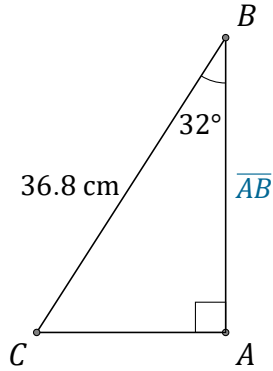
$\overline{GH} = \underline{35.8 \text{ mi}}$

Cosine Ratio (G)

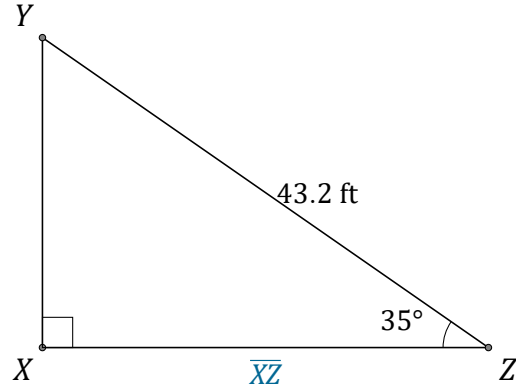
Name: _____

Date: _____

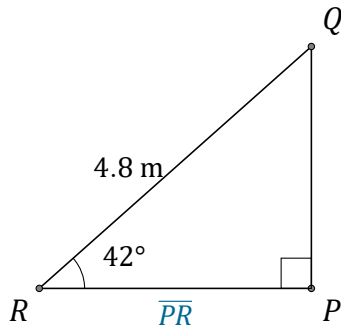
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



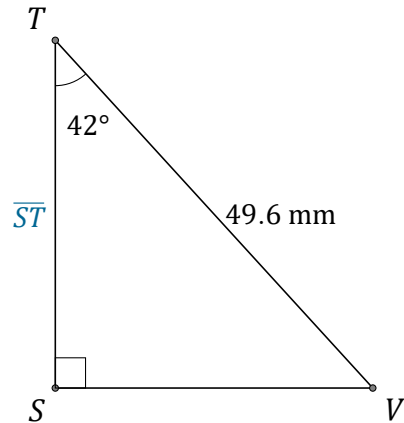
$\overline{AB} =$ _____



$\overline{XZ} =$ _____



$\overline{PR} =$ _____



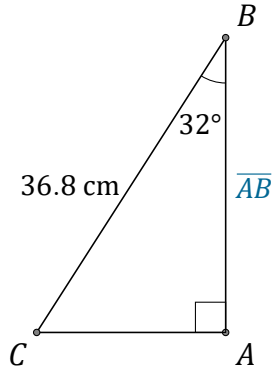
$\overline{ST} =$ _____

Cosine Ratio (G) Answers

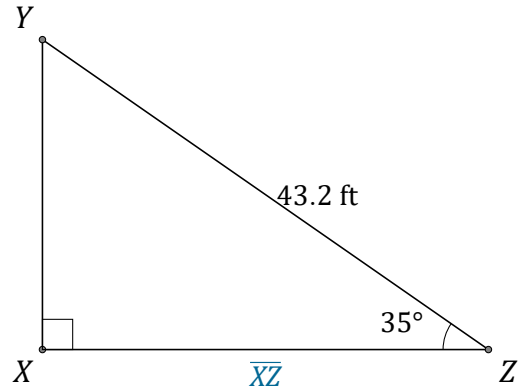
Name: _____

Date: _____

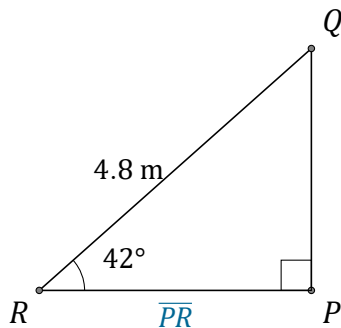
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



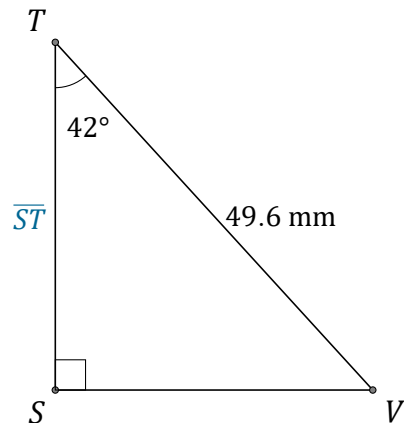
$$\overline{AB} = \underline{31.2 \text{ cm}}$$



$$\overline{XZ} = \underline{35.4 \text{ ft}}$$



$$\overline{PR} = \underline{3.6 \text{ m}}$$



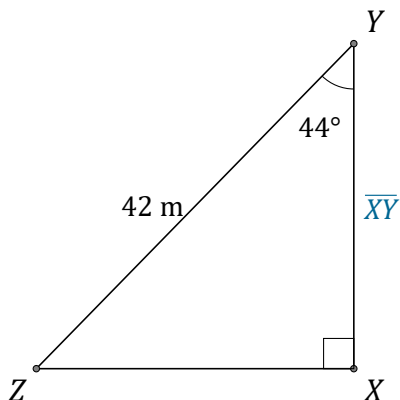
$$\overline{ST} = \underline{36.9 \text{ mm}}$$

Cosine Ratio (H)

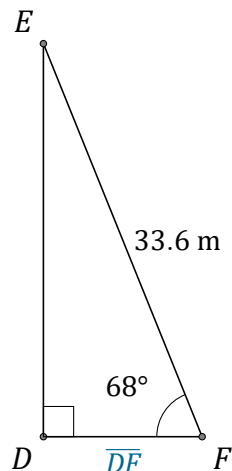
Name: _____

Date: _____

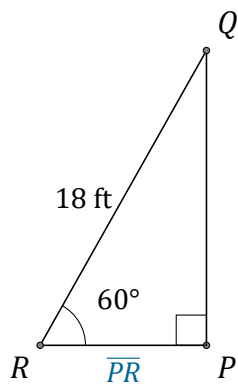
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



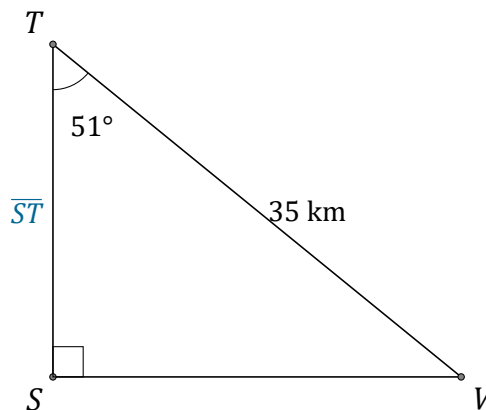
$\overline{XY} =$ _____



$\overline{DF} =$ _____



$\overline{PR} =$ _____



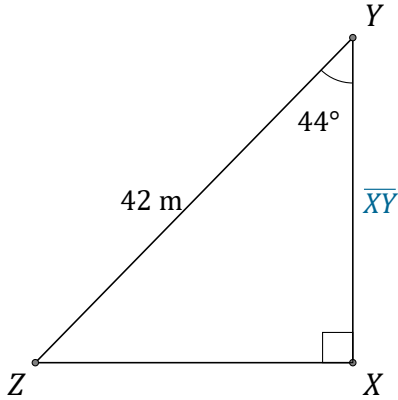
$\overline{ST} =$ _____

Cosine Ratio (H) Answers

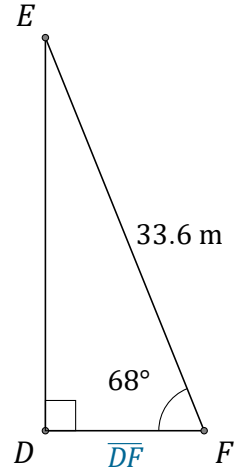
Name: _____

Date: _____

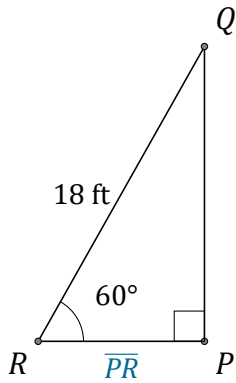
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



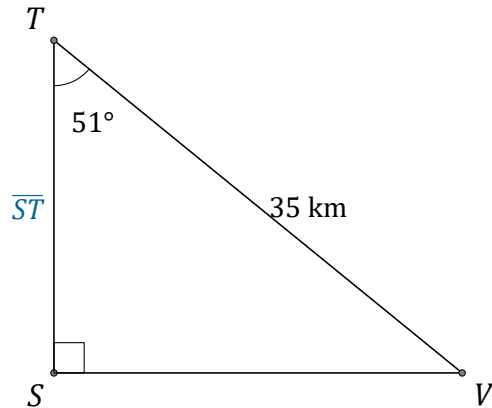
$$\overline{XY} = \underline{30.2 \text{ m}}$$



$$\overline{DF} = \underline{12.6 \text{ m}}$$



$$\overline{PR} = \underline{9 \text{ ft}}$$



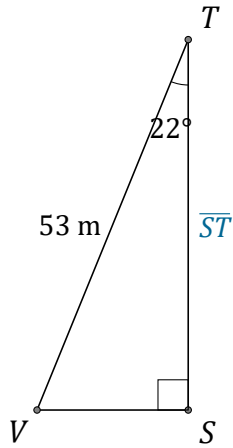
$$\overline{ST} = \underline{22 \text{ km}}$$

Cosine Ratio (I)

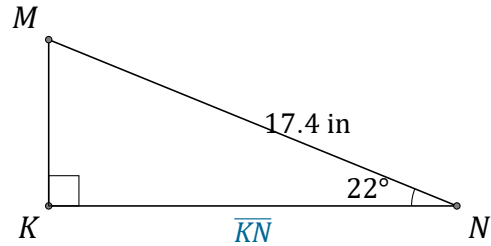
Name: _____

Date: _____

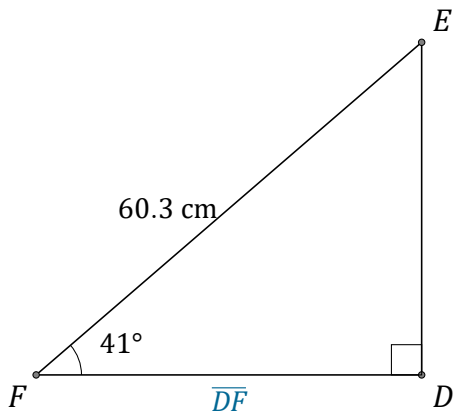
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



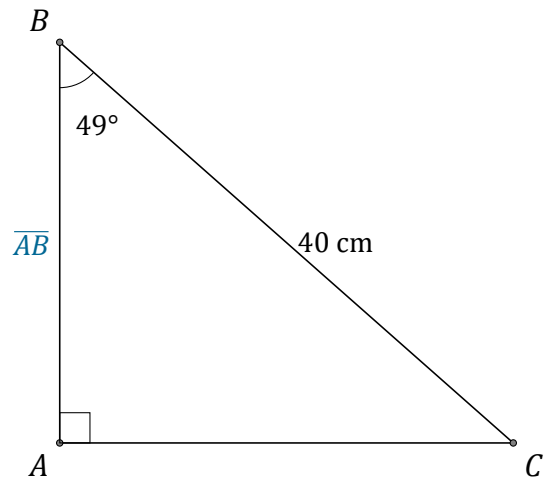
$\overline{ST} =$ _____



$\overline{KN} =$ _____



$\overline{DF} =$ _____



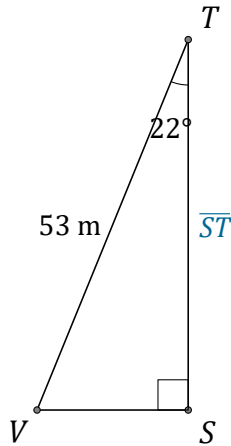
$\overline{AB} =$ _____

Cosine Ratio (I) Answers

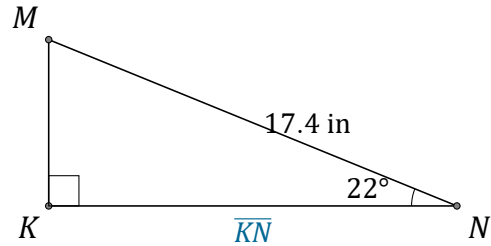
Name: _____

Date: _____

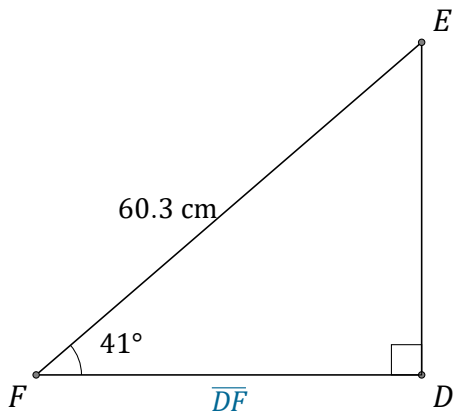
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



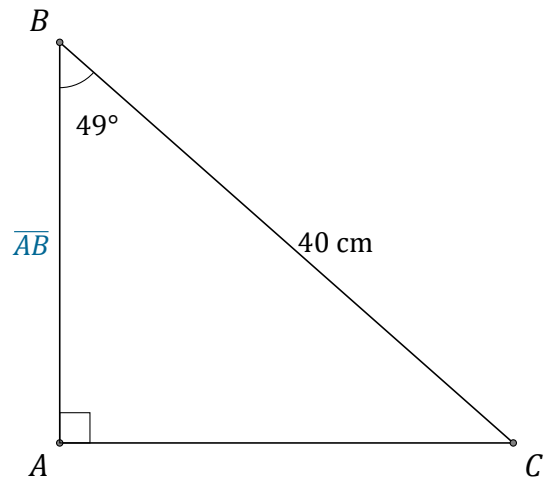
$$\overline{ST} = \underline{49.1 \text{ m}}$$



$$\overline{KN} = \underline{16.1 \text{ in}}$$



$$\overline{DF} = \underline{45.5 \text{ cm}}$$



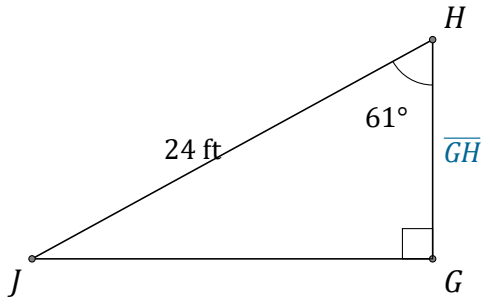
$$\overline{AB} = \underline{26.2 \text{ cm}}$$

Cosine Ratio (J)

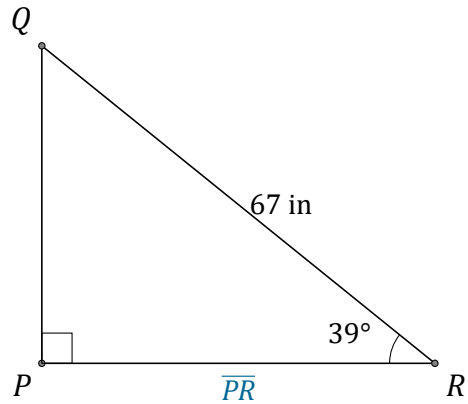
Name: _____

Date: _____

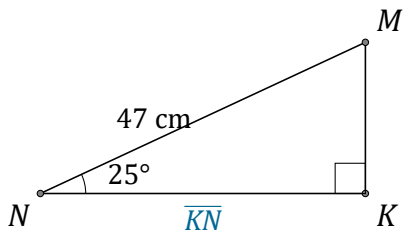
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



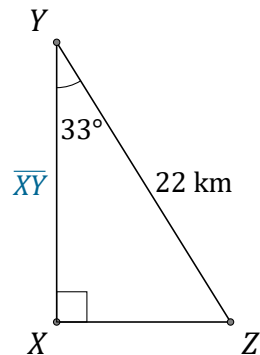
$$\overline{GH} = \underline{\hspace{2cm}}$$



$$\overline{PR} = \underline{\hspace{2cm}}$$



$$\overline{KN} = \underline{\hspace{2cm}}$$



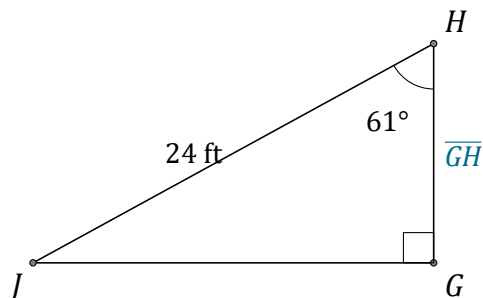
$$\overline{XY} = \underline{\hspace{2cm}}$$

Cosine Ratio (J) Answers

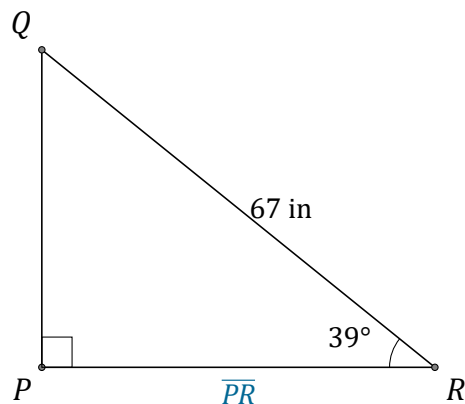
Name: _____

Date: _____

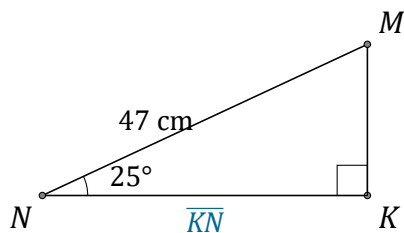
Calculate the side values using the cosine ratio: $\cos(\alpha) = \frac{A}{H}$



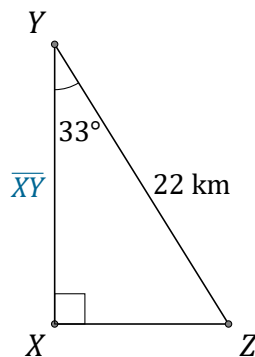
$$\overline{GH} = \underline{11.6 \text{ ft}}$$



$$\overline{PR} = \underline{52.1 \text{ in}}$$



$$\overline{KN} = \underline{42.6 \text{ cm}}$$



$$\overline{XY} = \underline{18.5 \text{ km}}$$