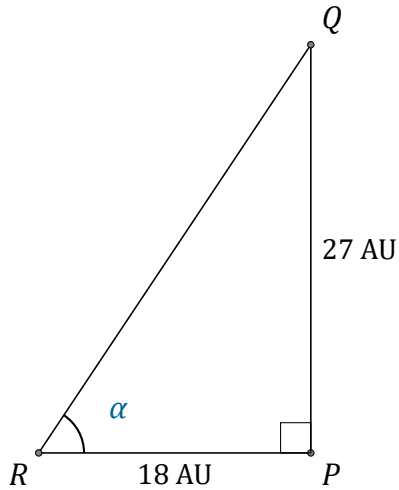


Trigonometric Ratios (A)

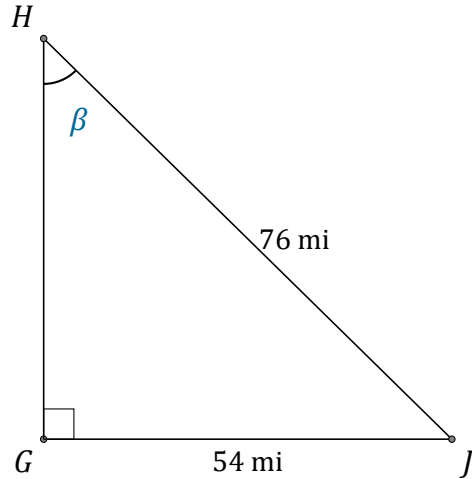
Name: _____

Date: _____

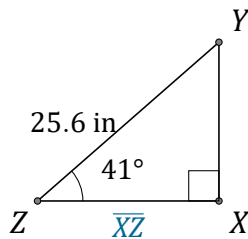
Calculate the angle and side values using trigonometric ratios



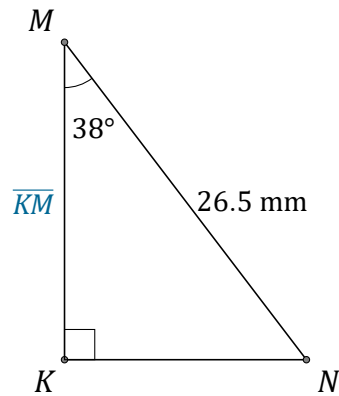
$\alpha = \angle PRQ =$ _____



$\beta = \angle GHJ =$ _____



$\overline{XZ} =$ _____



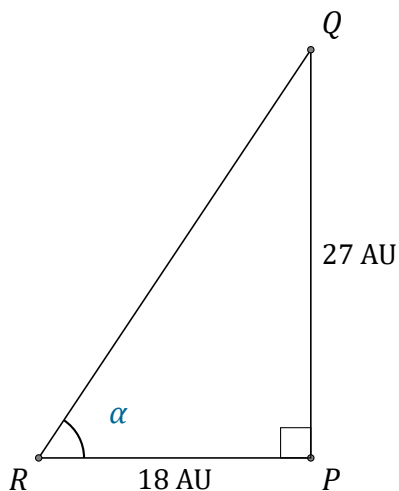
$\overline{KM} =$ _____

Trigonometric Ratios (A) Answers

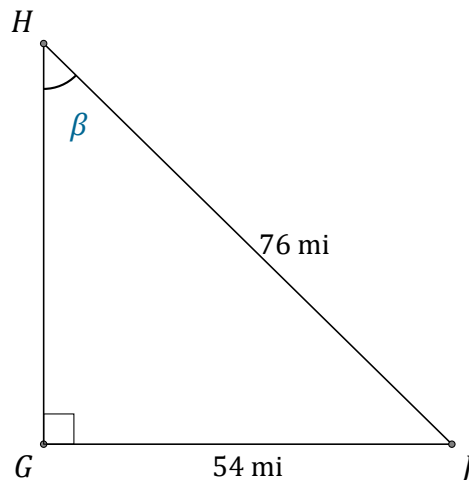
Name: _____

Date: _____

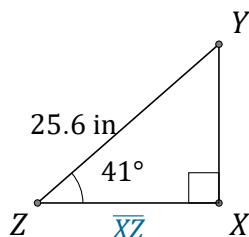
Calculate the angle and side values using trigonometric ratios



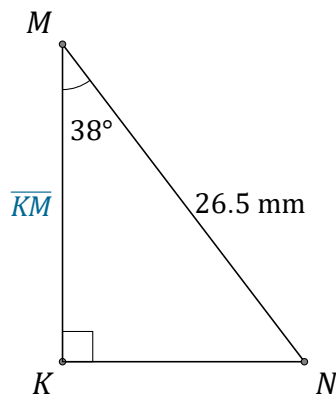
$$\alpha = \angle PRQ = \underline{56.3^\circ}$$



$$\beta = \angle GHJ = \underline{45.3^\circ}$$



$$\overline{XZ} = \underline{19.3 \text{ in}}$$



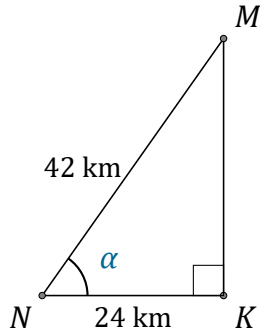
$$\overline{KM} = \underline{20.9 \text{ mm}}$$

Trigonometric Ratios (B)

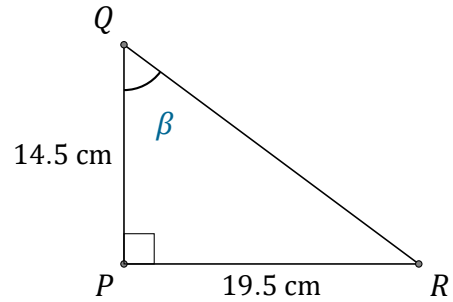
Name: _____

Date: _____

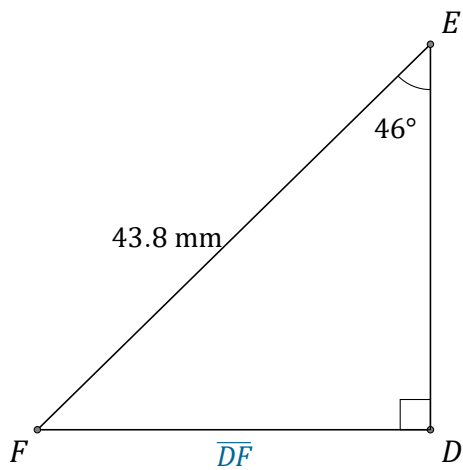
Calculate the angle and side values using trigonometric ratios



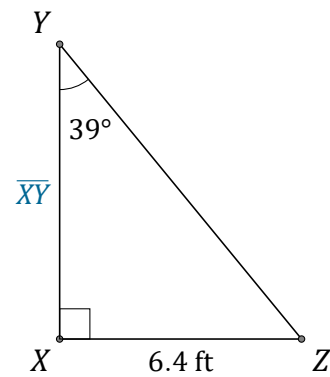
$\alpha = \angle KNM =$ _____



$\beta = \angle PQR =$ _____



$\overline{DF} =$ _____



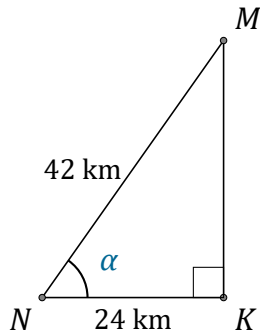
$\overline{XY} =$ _____

Trigonometric Ratios (B) Answers

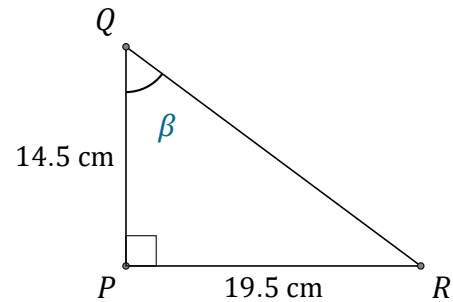
Name: _____

Date: _____

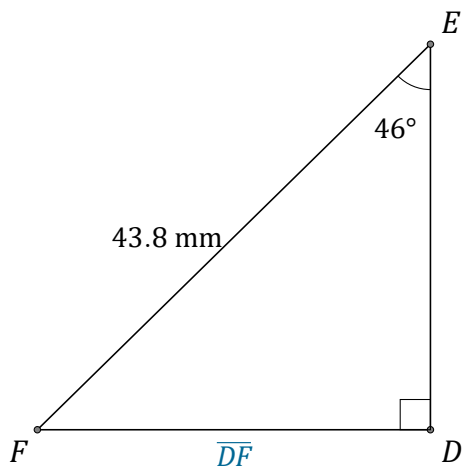
Calculate the angle and side values using trigonometric ratios



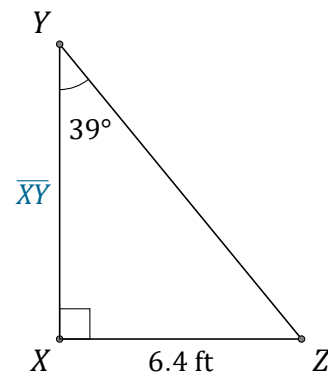
$$\alpha = \angle KNM = \underline{55.2^\circ}$$



$$\beta = \angle PQR = \underline{53.4^\circ}$$



$$\overline{DF} = \underline{31.5 \text{ mm}}$$



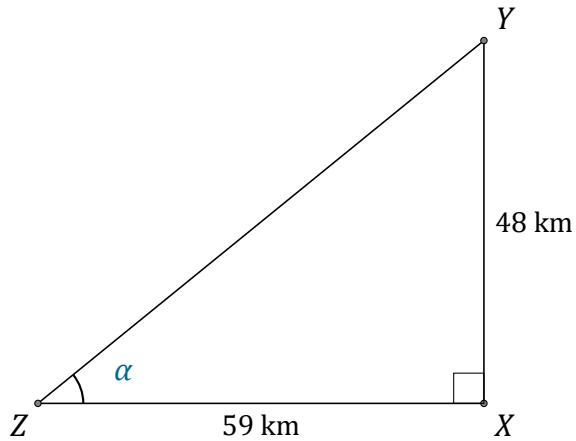
$$\overline{XY} = \underline{7.9 \text{ ft}}$$

Trigonometric Ratios (C)

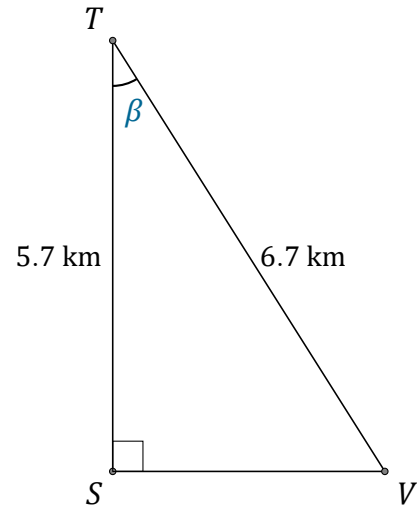
Name: _____

Date: _____

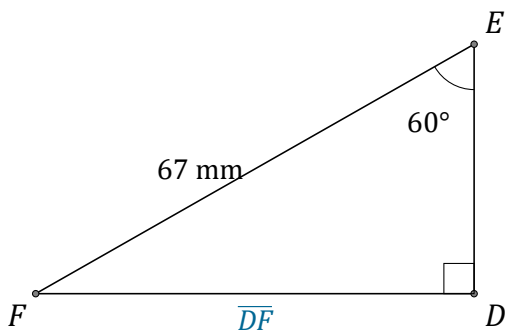
Calculate the angle and side values using trigonometric ratios



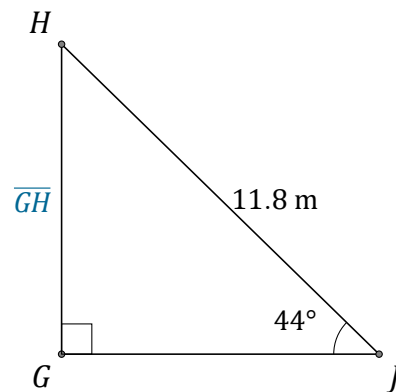
$$\alpha = \angle XZY = \underline{\hspace{2cm}}$$



$$\beta = \angle STV = \underline{\hspace{2cm}}$$



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



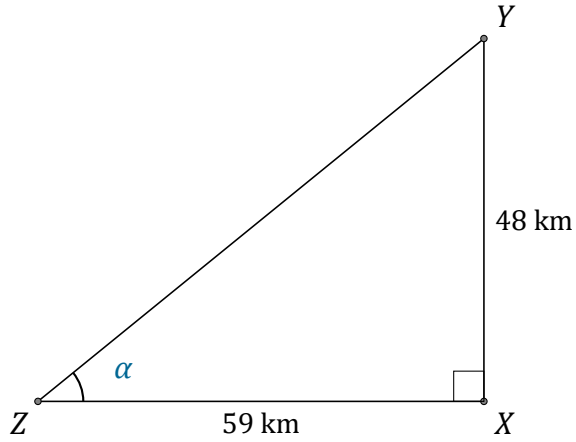
$$\overline{GH} = \underline{\hspace{2cm}}$$

Trigonometric Ratios (C) Answers

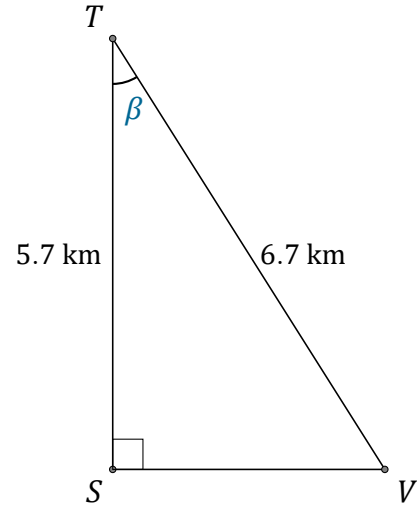
Name: _____

Date: _____

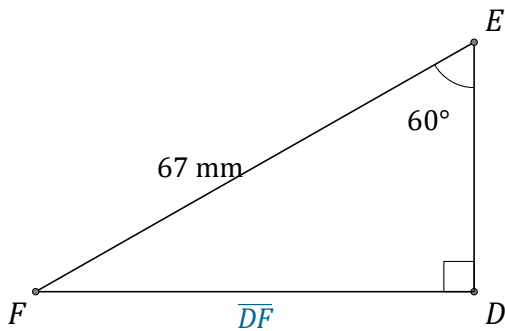
Calculate the angle and side values using trigonometric ratios



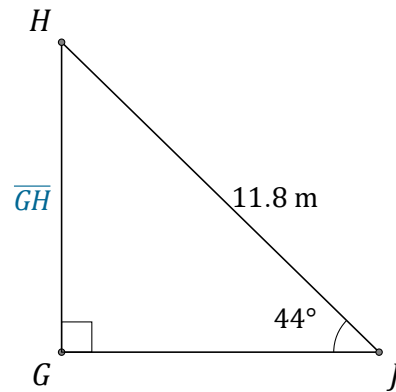
$$\alpha = \angle XZY = \underline{39.1^\circ}$$



$$\beta = \angle STV = \underline{31.7^\circ}$$



$$\overline{DF} = \underline{58 \text{ mm}}$$



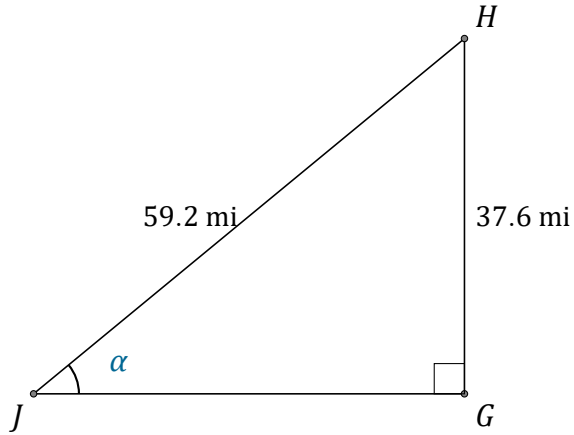
$$\overline{GH} = \underline{8.2 \text{ m}}$$

Trigonometric Ratios (D)

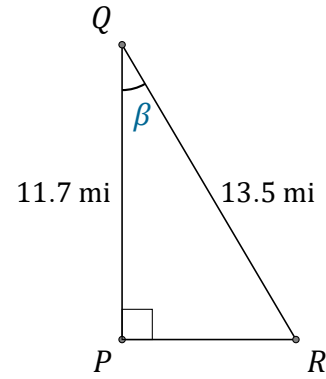
Name: _____

Date: _____

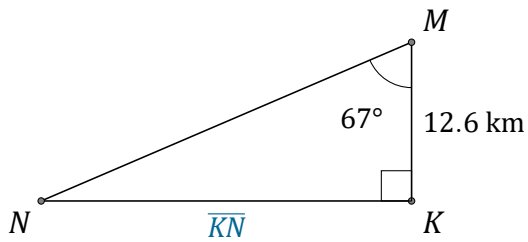
Calculate the angle and side values using trigonometric ratios



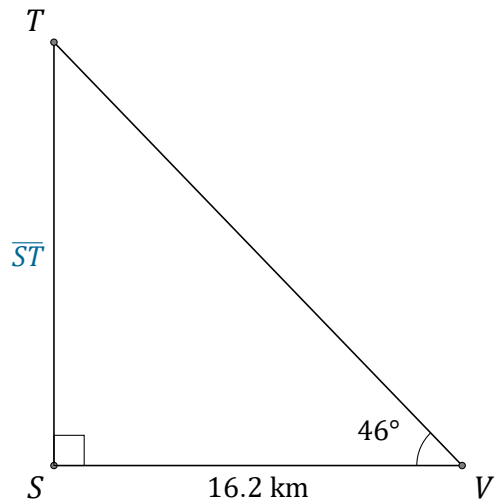
$$\alpha = \angle GJH = \underline{\hspace{2cm}}$$



$$\beta = \angle PQR = \underline{\hspace{2cm}}$$



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



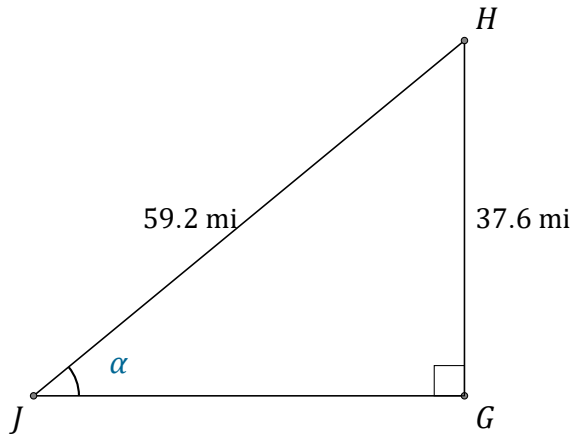
$$\overline{ST} = \underline{\hspace{2cm}}$$

Trigonometric Ratios (D) Answers

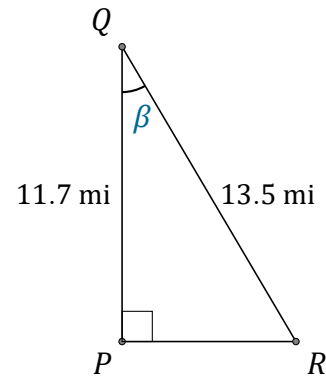
Name: _____

Date: _____

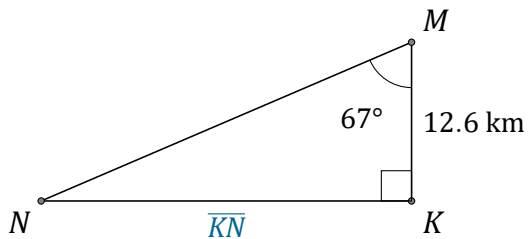
Calculate the angle and side values using trigonometric ratios



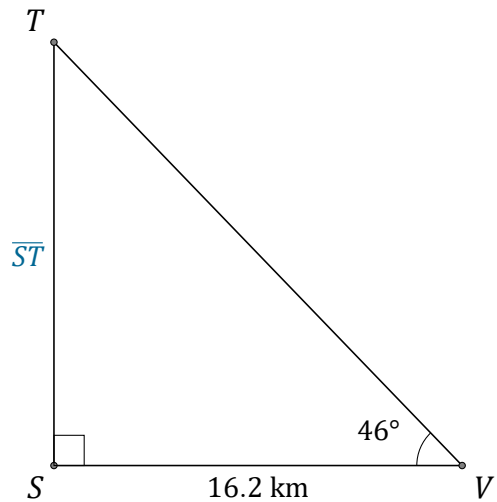
$$\alpha = \angle GJH = \underline{39.4^\circ}$$



$$\beta = \angle PQR = \underline{29.9^\circ}$$



$$\overline{KN} = \underline{29.7 \text{ km}}$$



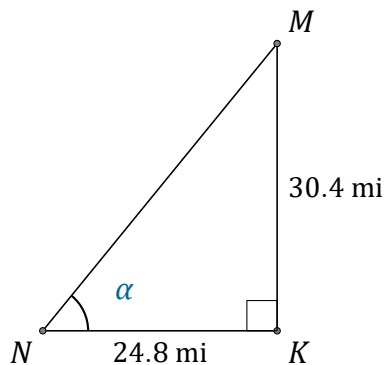
$$\overline{ST} = \underline{16.8 \text{ km}}$$

Trigonometric Ratios (E)

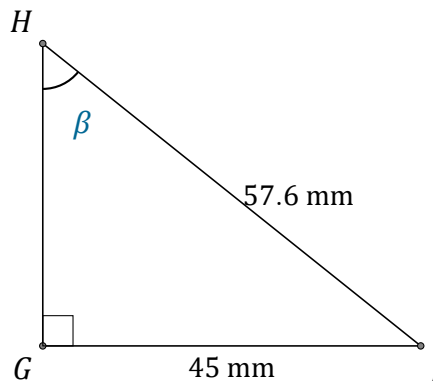
Name: _____

Date: _____

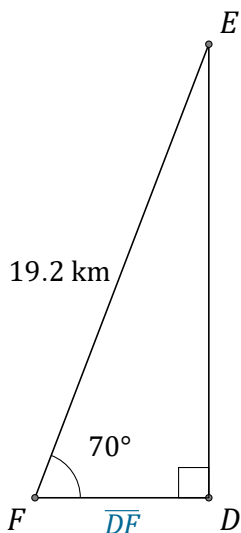
Calculate the angle and side values using trigonometric ratios



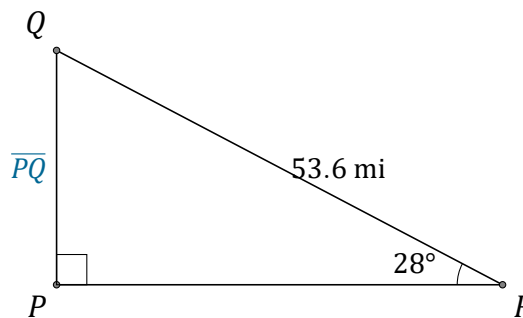
$\alpha = \angle KNM =$ _____



$\beta = \angle GHJ =$ _____



$\overline{DF} =$ _____



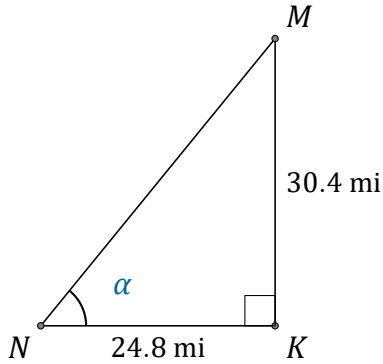
$\overline{PQ} =$ _____

Trigonometric Ratios (E) Answers

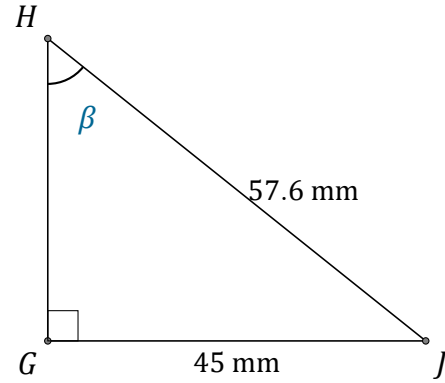
Name: _____

Date: _____

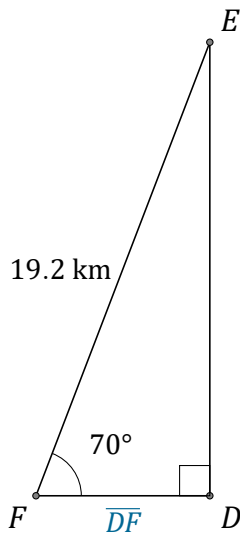
Calculate the angle and side values using trigonometric ratios



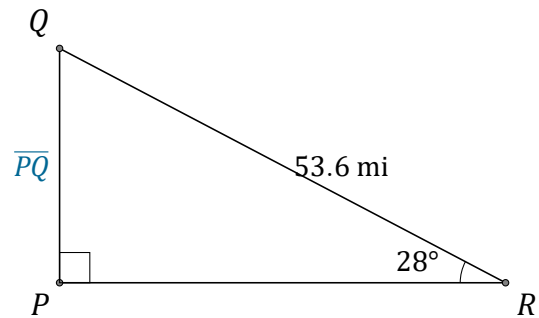
$$\alpha = \angle KNM = \underline{50.8^\circ}$$



$$\beta = \angle GHJ = \underline{51.4^\circ}$$



$$\overline{DF} = \underline{6.6 \text{ km}}$$



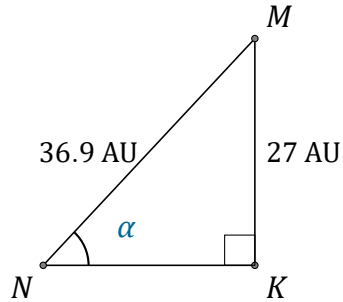
$$\overline{PQ} = \underline{25.2 \text{ mi}}$$

Trigonometric Ratios (F)

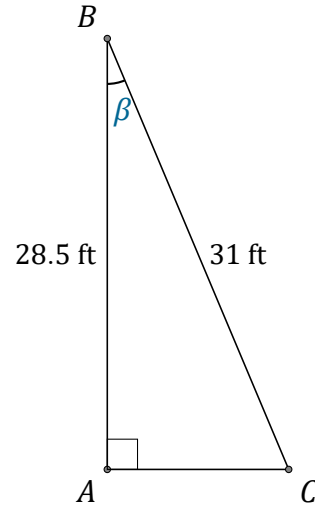
Name: _____

Date: _____

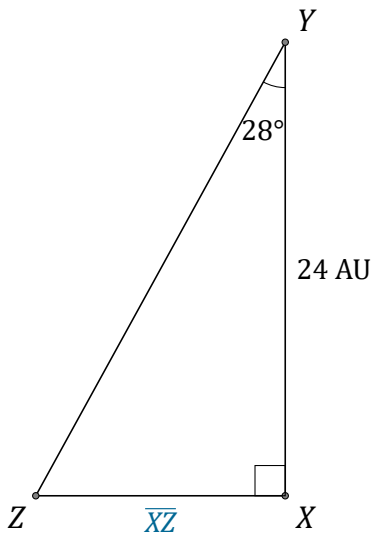
Calculate the angle and side values using trigonometric ratios



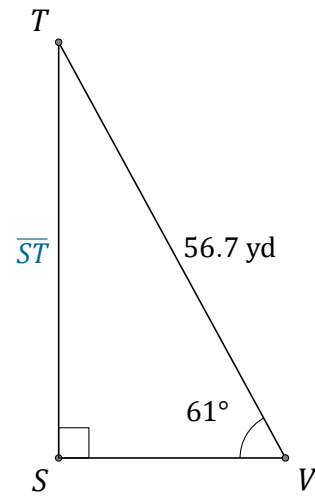
$\alpha = \angle KNM =$ _____



$\beta = \angle ABC =$ _____



$\overline{XZ} =$ _____



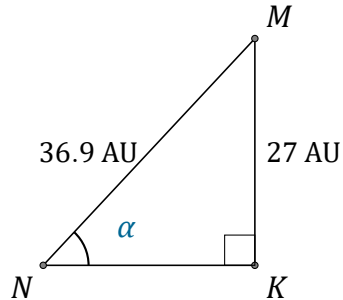
$\overline{ST} =$ _____

Trigonometric Ratios (F) Answers

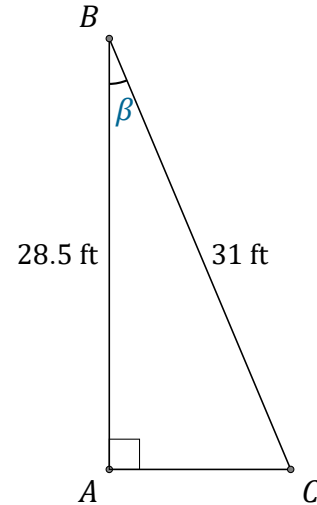
Name: _____

Date: _____

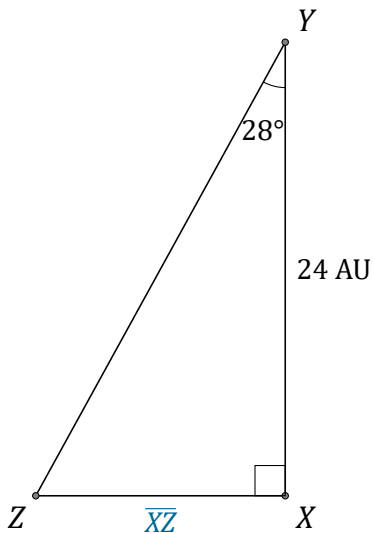
Calculate the angle and side values using trigonometric ratios



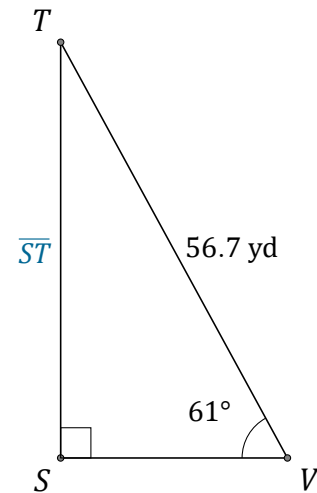
$$\alpha = \angle KNM = \underline{47^\circ}$$



$$\beta = \angle ABC = \underline{23.2^\circ}$$



$$\overline{XZ} = \underline{12.8 \text{ AU}}$$



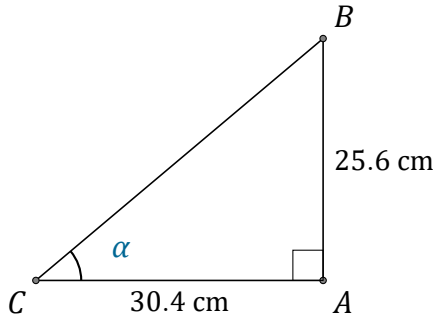
$$\overline{ST} = \underline{49.6 \text{ yd}}$$

Trigonometric Ratios (G)

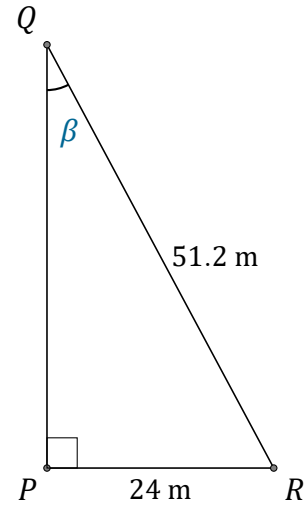
Name: _____

Date: _____

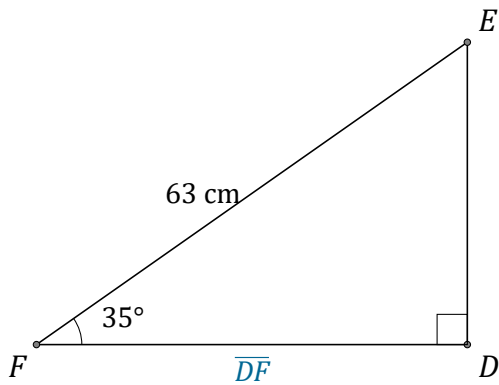
Calculate the angle and side values using trigonometric ratios



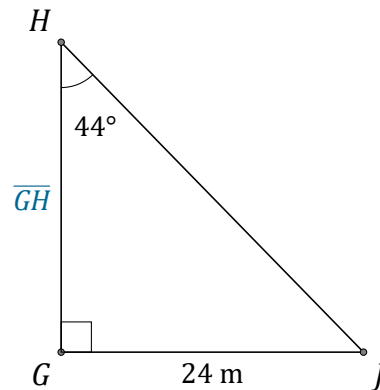
$$\alpha = \angle ACB = \underline{\hspace{2cm}}$$



$$\beta = \angle PQR = \underline{\hspace{2cm}}$$



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



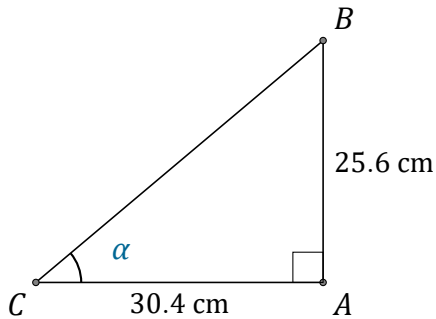
$$\overline{GH} = \underline{\hspace{2cm}}$$

Trigonometric Ratios (G) Answers

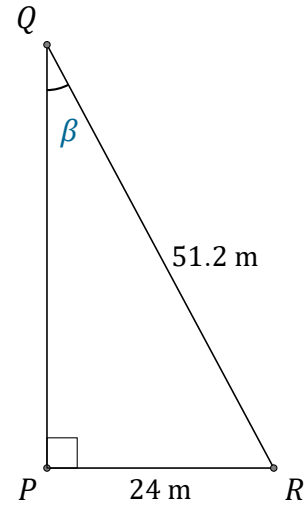
Name: _____

Date: _____

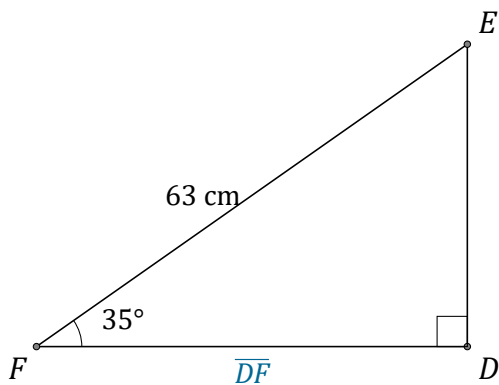
Calculate the angle and side values using trigonometric ratios



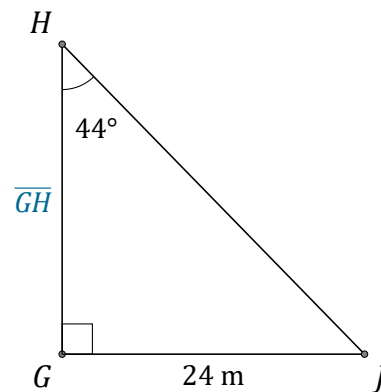
$$\alpha = \angle ACB = \underline{40.1^\circ}$$



$$\beta = \angle PQR = \underline{28^\circ}$$



$$\overline{DF} = \underline{51.6 \text{ cm}}$$



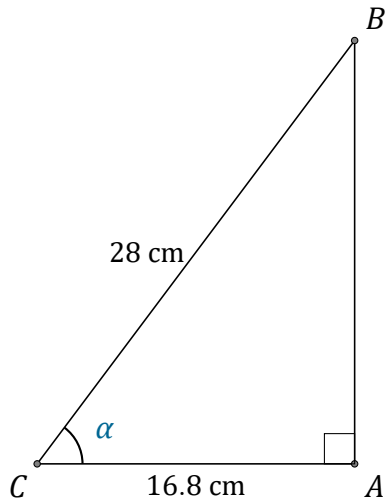
$$\overline{GH} = \underline{24.9 \text{ m}}$$

Trigonometric Ratios (H)

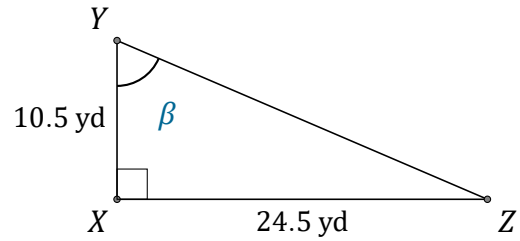
Name: _____

Date: _____

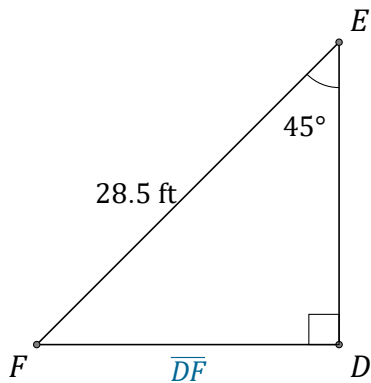
Calculate the angle and side values using trigonometric ratios



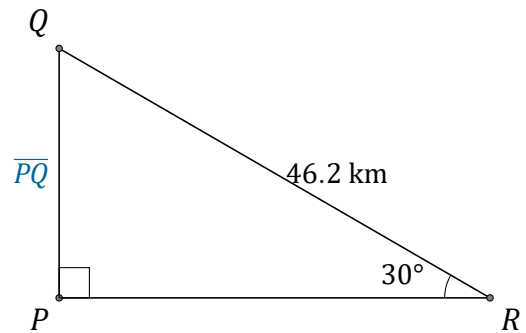
$$\alpha = \angle ACB = \underline{\hspace{2cm}}$$



$$\beta = \angle XYZ = \underline{\hspace{2cm}}$$



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



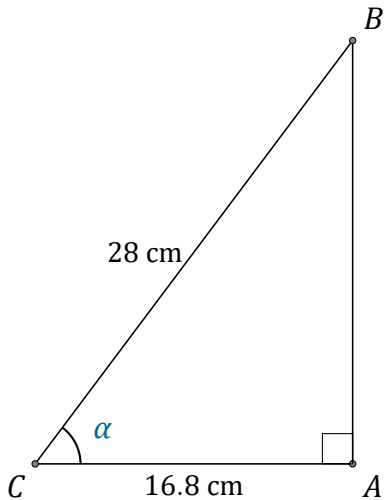
$$\overline{PQ} = \underline{\hspace{2cm}}$$

Trigonometric Ratios (H) Answers

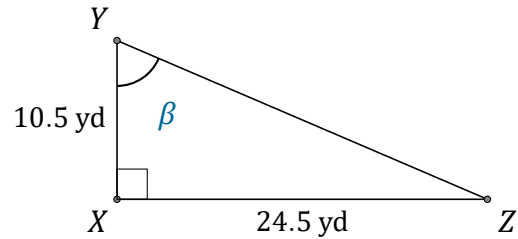
Name: _____

Date: _____

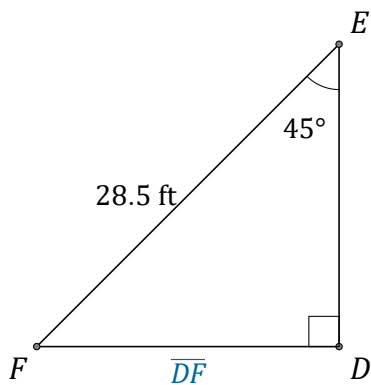
Calculate the angle and side values using trigonometric ratios



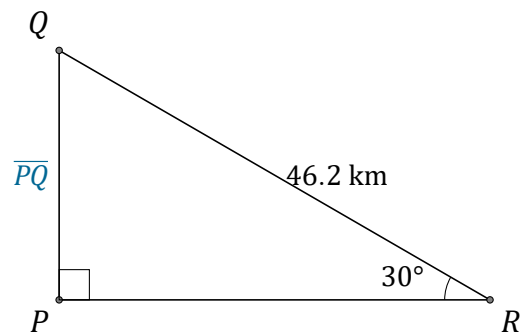
$$\alpha = \angle ACB = \underline{53.1^\circ}$$



$$\beta = \angle XYZ = \underline{66.8^\circ}$$



$$\overline{DF} = \underline{20.2 \text{ ft}}$$



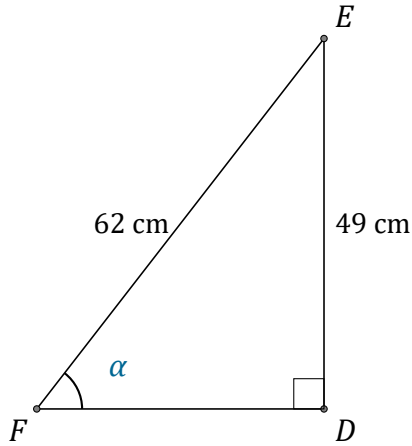
$$\overline{PQ} = \underline{23.1 \text{ km}}$$

Trigonometric Ratios (I)

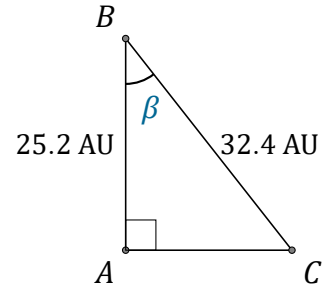
Name: _____

Date: _____

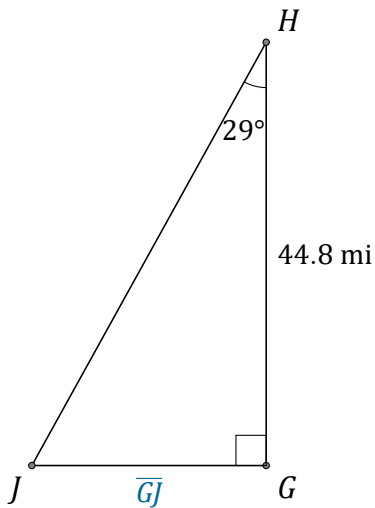
Calculate the angle and side values using trigonometric ratios



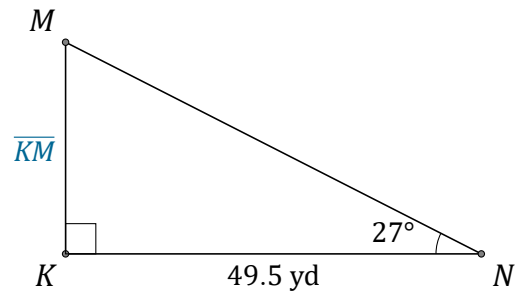
$$\alpha = \angle DFE = \underline{\hspace{2cm}}$$



$$\beta = \angle ABC = \underline{\hspace{2cm}}$$



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



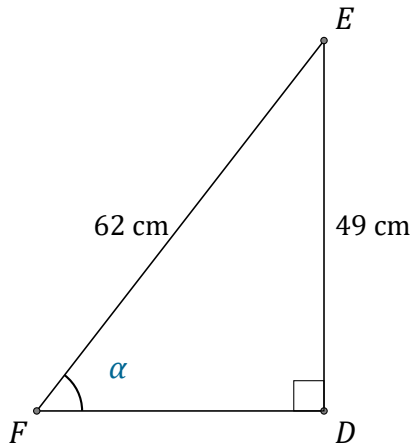
$$\overline{KM} = \underline{\hspace{2cm}}$$

Trigonometric Ratios (I) Answers

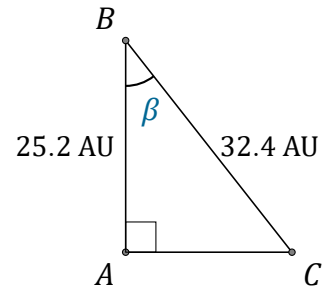
Name: _____

Date: _____

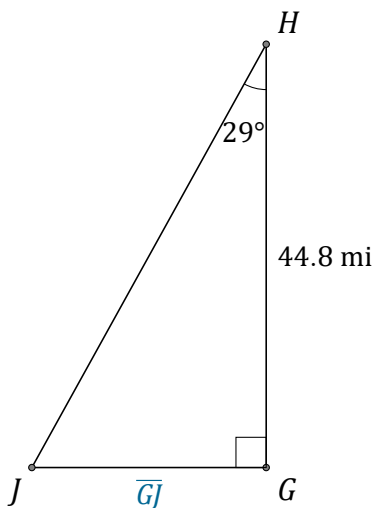
Calculate the angle and side values using trigonometric ratios



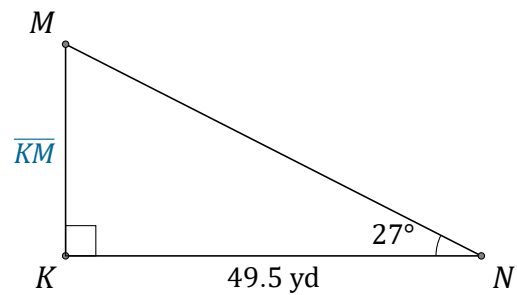
$$\alpha = \angle DFE = \underline{52.2^\circ}$$



$$\beta = \angle ABC = \underline{38.9^\circ}$$



$$\overline{GJ} = \underline{24.8\text{ mi}}$$



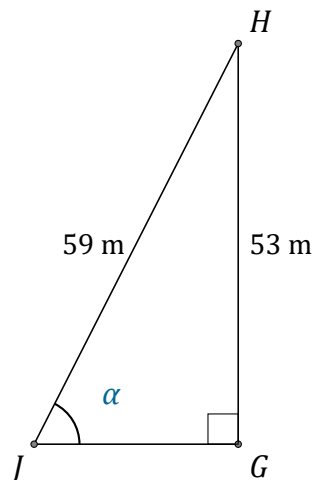
$$\overline{KM} = \underline{25.2\text{ yd}}$$

Trigonometric Ratios (J)

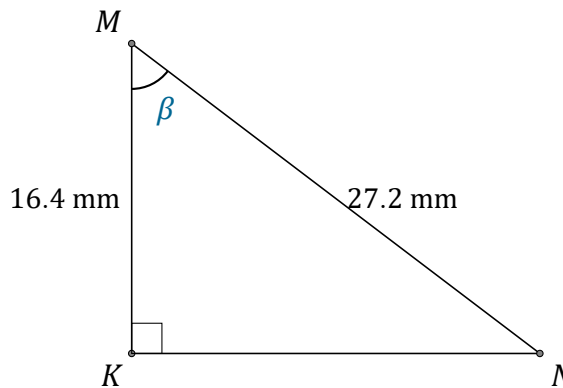
Name: _____

Date: _____

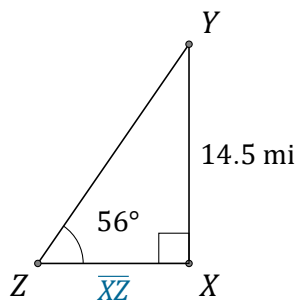
Calculate the angle and side values using trigonometric ratios



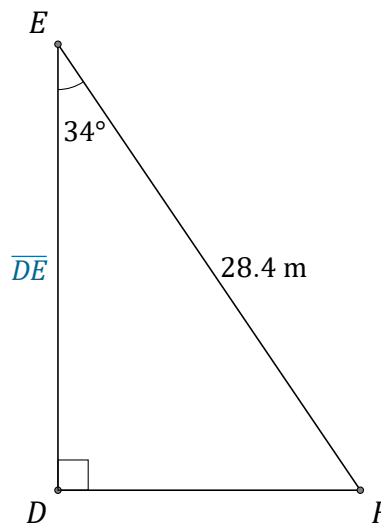
$\alpha = \angle GJH = \underline{\hspace{2cm}}$



$\beta = \angle KMN = \underline{\hspace{2cm}}$



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



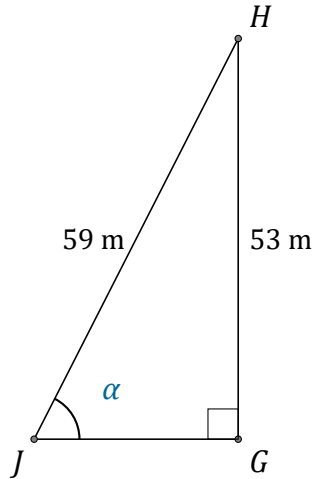
$\overline{DE} = \underline{\hspace{2cm}}$

Trigonometric Ratios (J) Answers

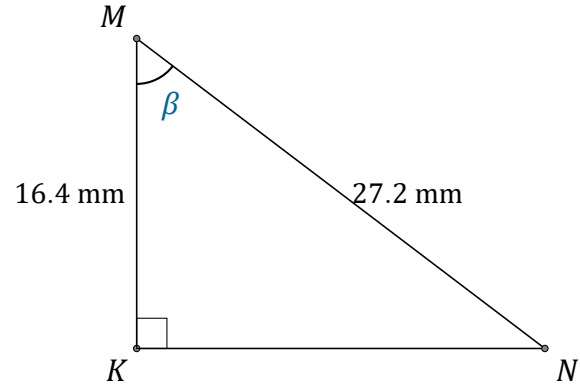
Name: _____

Date: _____

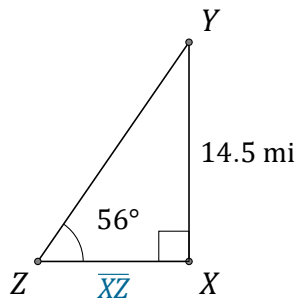
Calculate the angle and side values using trigonometric ratios



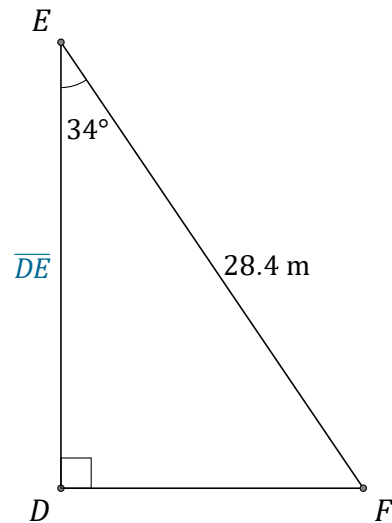
$$\alpha = \angle GJH = \underline{63.9^\circ}$$



$$\beta = \angle KMN = \underline{52.9^\circ}$$



$$\overline{XZ} = \underline{9.8 \text{ mi}}$$



$$\overline{DE} = \underline{23.5 \text{ m}}$$