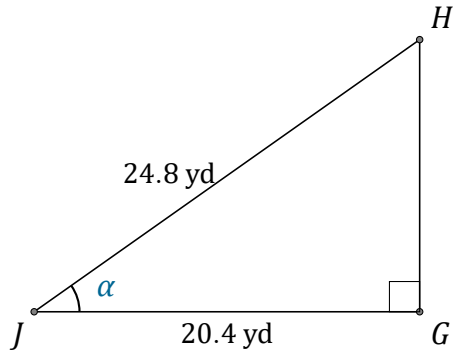


# Cosine Ratio (F)

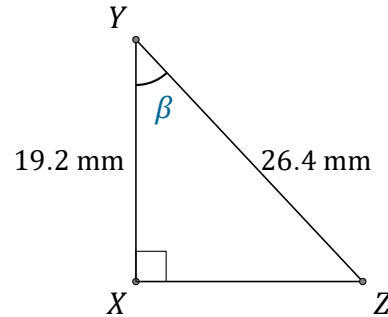
Name: \_\_\_\_\_

Date: \_\_\_\_\_

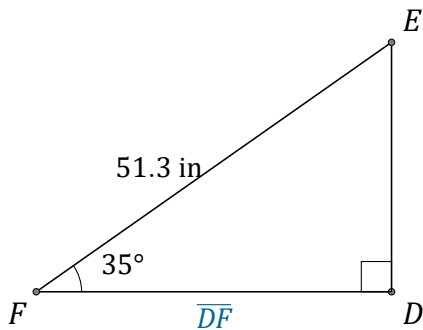
Calculate the angle and side values using the cosine ratio:  $\cos(\alpha) = \frac{A}{H}$



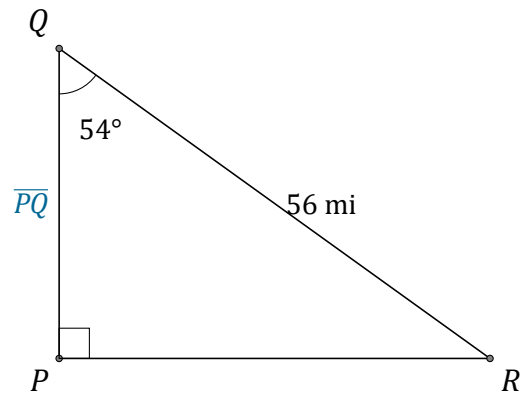
$\alpha = \angle GJH =$  \_\_\_\_\_



$\beta = \angle XYZ =$  \_\_\_\_\_



$\overline{DF} =$  \_\_\_\_\_



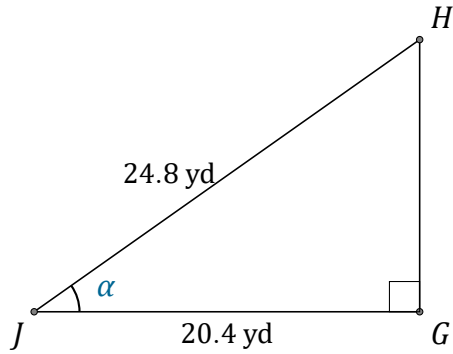
$\overline{PQ} =$  \_\_\_\_\_

# Cosine Ratio (F) Answers

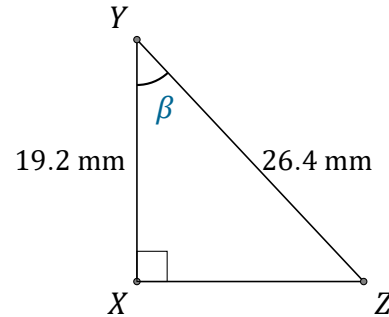
Name: \_\_\_\_\_

Date: \_\_\_\_\_

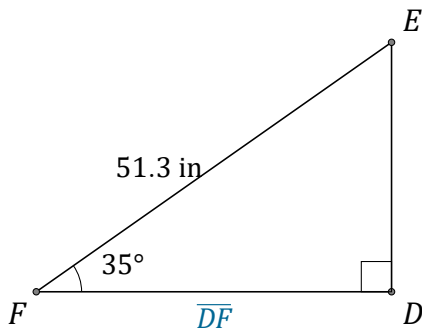
Calculate the angle and side values using the cosine ratio:  $\cos(\alpha) = \frac{A}{H}$



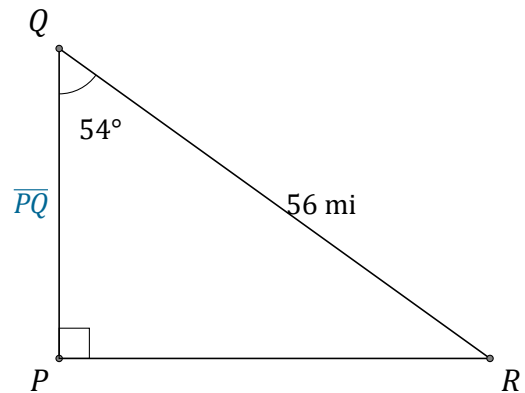
$$\alpha = \angle GJH = \underline{34.7^\circ}$$



$$\beta = \angle XYZ = \underline{43.3^\circ}$$



$$\overline{DF} = \underline{42 \text{ in}}$$



$$\overline{PQ} = \underline{32.9 \text{ mi}}$$