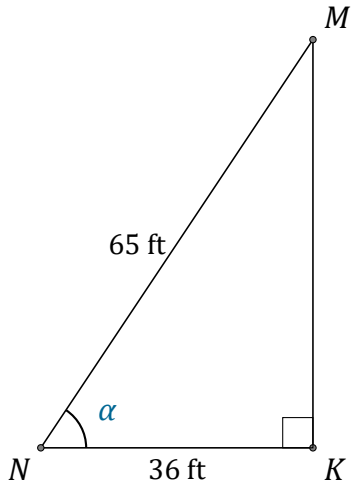


# Cosine Ratio (A)

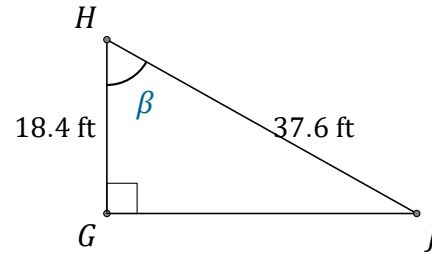
Name: \_\_\_\_\_

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

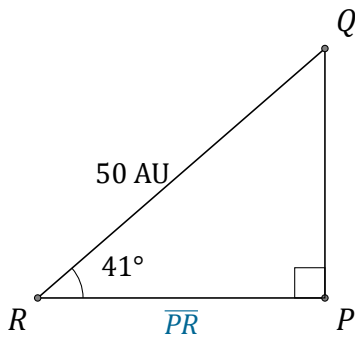
Calculate the angle and side values using the cosine ratio:  $\cos(\alpha) = \frac{A}{H}$



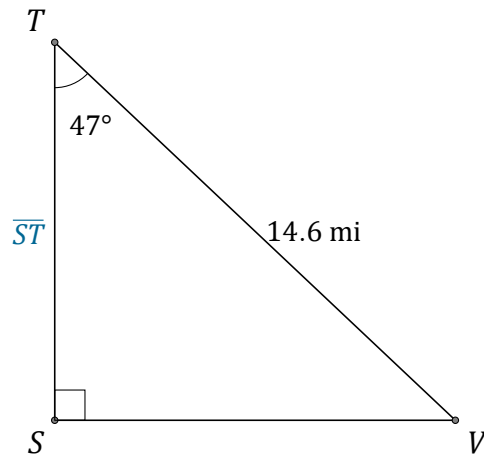
$\alpha = \angle KNM =$  \_\_\_\_\_



$\beta = \angle GHJ =$  \_\_\_\_\_



$\overline{PR} =$  \_\_\_\_\_



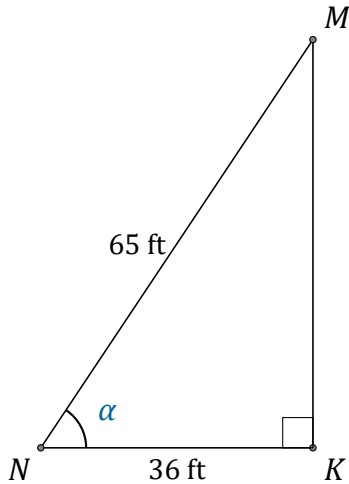
$\overline{ST} =$  \_\_\_\_\_

# Cosine Ratio (A) Answers

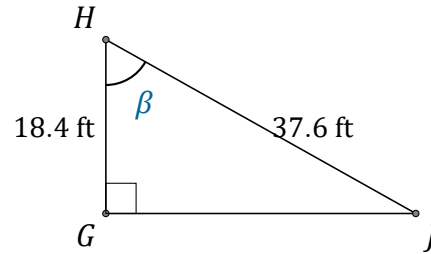
Name: \_\_\_\_\_

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

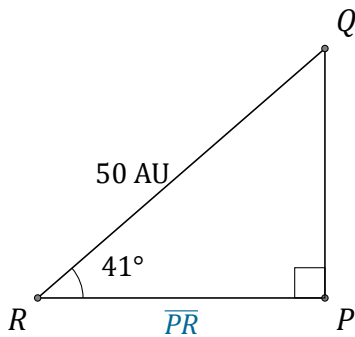
Calculate the angle and side values using the cosine ratio:  $\cos(\alpha) = \frac{A}{H}$



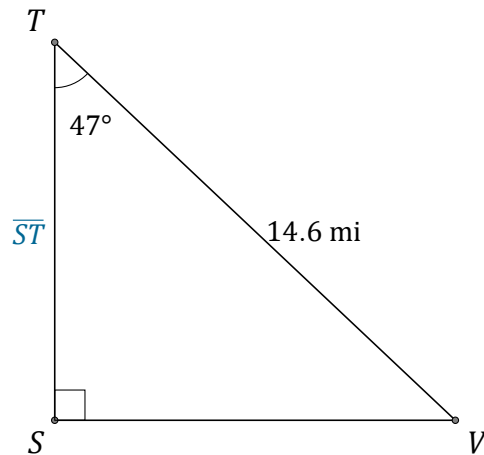
$\alpha = \angle KNM = \underline{56.4^\circ}$



$\beta = \angle GHJ = \underline{60.7^\circ}$



$\overline{PR} = \underline{37.7 \text{ AU}}$



$\overline{ST} = \underline{10 \text{ mi}}$