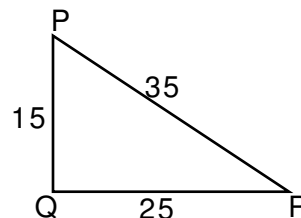


**Cos and Sin Trigonometric Ratios - Independent Practice Worksheet**

Complete all the problems. Make sure to draw pictures to help you solve the problems.

1. Write each trigonometric ratio.  $\sin R$

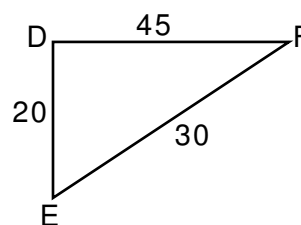


2. Write each trigonometric ratio.  $\cos P$

3. A 15 feet pole stands in the center of the ground. Point A is the top of pole, point B is End of the pole's shadow and point C is the bottom of pole. The distance of point A to Point B is 30 feet. Now calculate, the distance of point B to point C?

4. Write each trigonometric ratio.  $\cos E$ .

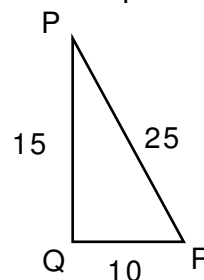
5. Write each trigonometric ratio.  $\sin E$ .



6. A 36 inches long hockey stick is leaning on a wall, at the point X. Point Y is a bottom of the hockey stick. The stick makes a  $30^\circ$  angle off the wall. Point Z is the corner of wall. Now calculate the distance from point Z to X.

7. Write each trigonometric ratio.  $\sin P$ .

8. Write each trigonometric ratio.  $\sin R$ .



9. Write each trigonometric ratio.  $\cos L$ .

10. Write each trigonometric ratio.  $\cos K$ .

