Trigonometric Ratios

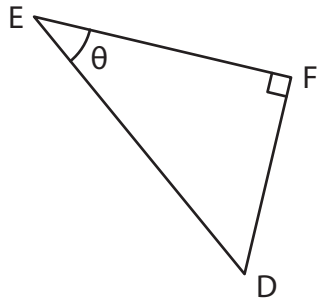
Name _____

Score _____

QR:04

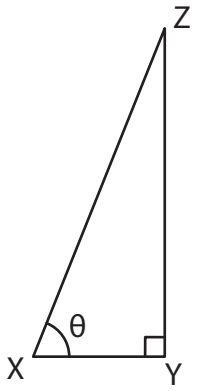
Find the trigonometric ratios using segments.

1)



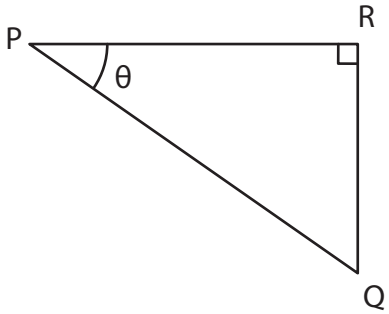
tan θ =

2)



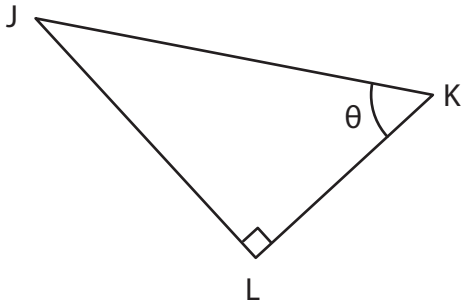
sin θ =

3)



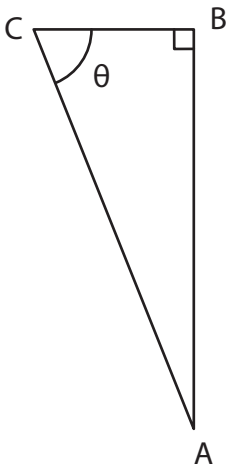
cos θ =

4)



cot θ =

5)



sin θ =

cosec θ =

cos θ =

sec θ =

tan θ =

cot θ =

Trigonometric Ratios

Name _____

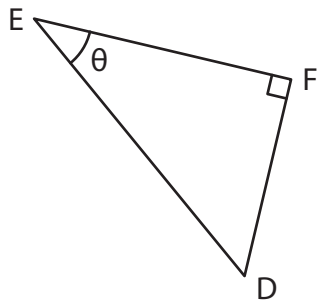
Score _____

Answer key

QR:04

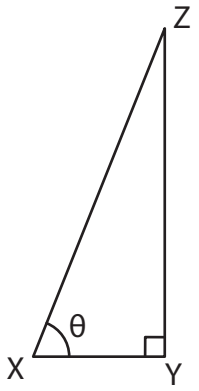
Find the trigonometric ratios using segments.

1)



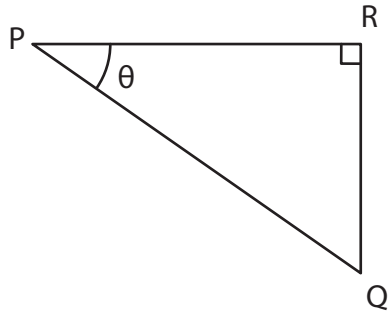
$\tan\theta =$ $\frac{DF}{EF}$

2)



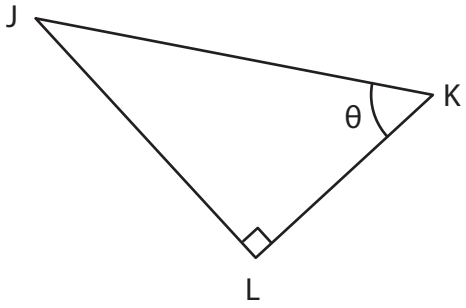
$\sin\theta =$ $\frac{YZ}{XZ}$

3)



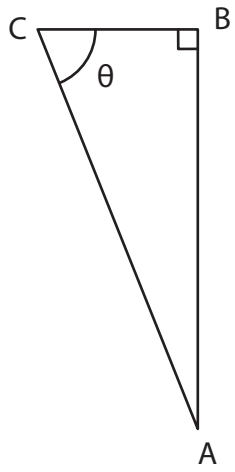
$\cos\theta =$ $\frac{PR}{PQ}$

4)



$\cot\theta =$ $\frac{KL}{JL}$

5)



$\sin\theta =$ $\frac{AB}{AC}$ $\quad \text{cosec}\,\theta =$ $\frac{AC}{AB}$

$\cos\theta =$ $\frac{BC}{AC}$ $\quad \sec\theta =$ $\frac{AC}{BC}$

$\tan\theta =$ $\frac{AB}{BC}$ $\quad \cot\theta =$ $\frac{BC}{AB}$