



Trigonometric Ratios

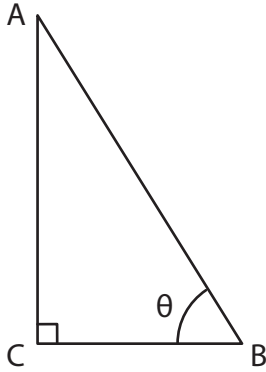
Name _____

Score _____

QR:05

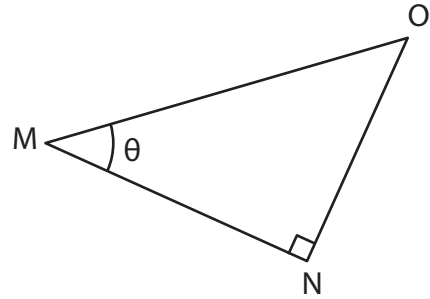
Find the trigonometric ratios using segments.

1)



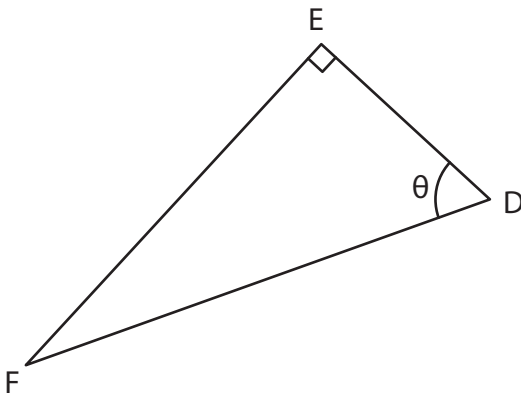
$\cos \theta =$

2)



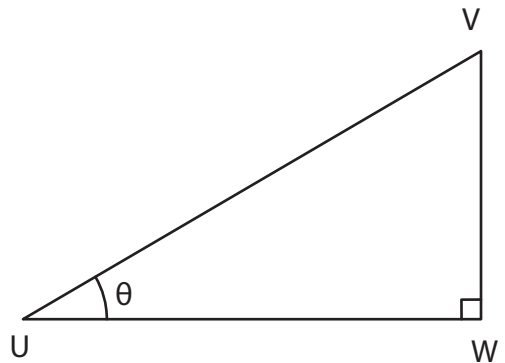
$\tan \theta =$

3)



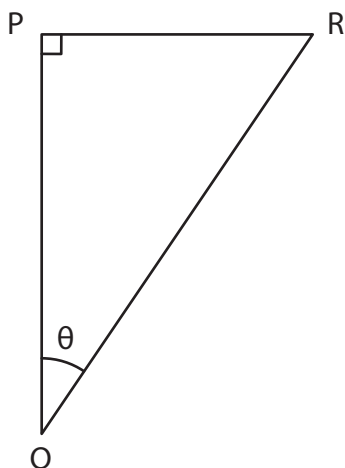
$\operatorname{cosec} \theta =$

4)



$\sin \theta =$

5)



$\sin \theta =$

$\operatorname{cosec} \theta =$

$\cos \theta =$

$\sec \theta =$

$\tan \theta =$

$\cot \theta =$



Trigonometric Ratios

Name _____

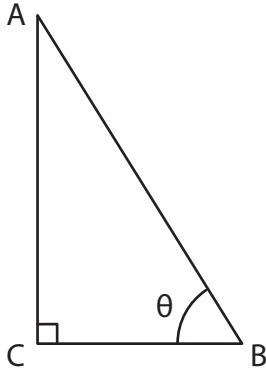
Score _____

Answer key

QR:05

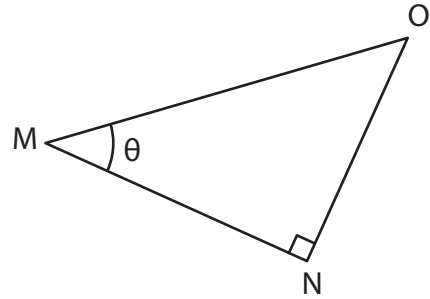
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1)



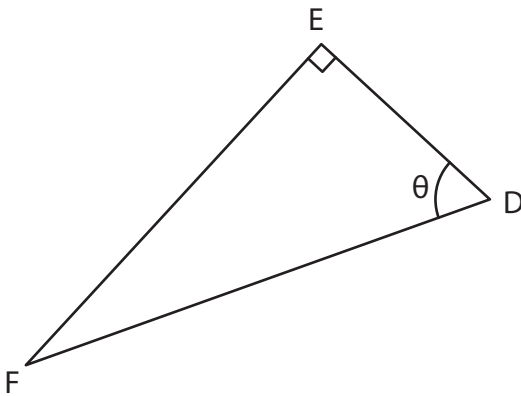
$$\cos \theta = \frac{BC}{AB}$$

2)



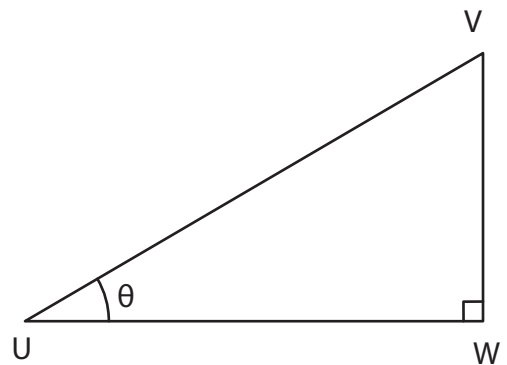
$$\tan \theta = \frac{NO}{MN}$$

3)



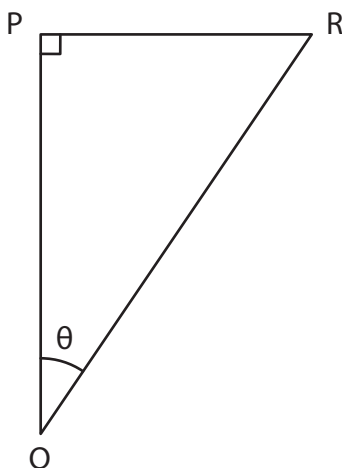
$$\operatorname{cosec} \theta = \frac{DF}{EF}$$

4)



$$\sin \theta = \frac{VW}{UV}$$

5)



$$\sin \theta = \frac{PR}{QR}$$

$$\operatorname{cosec} \theta = \frac{QR}{PR}$$

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

$$\sec \theta = \frac{QR}{PQ}$$

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

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