



# Trigonometric Ratios

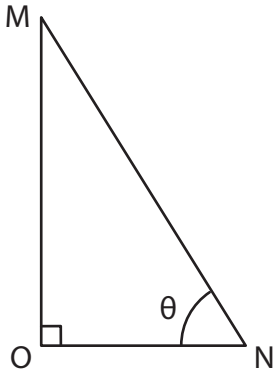
Name \_\_\_\_\_

Score \_\_\_\_\_

QR:II:04

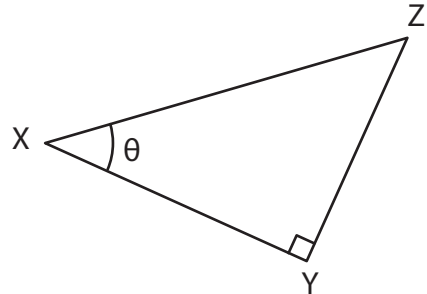
Find the trigonometric ratios using segments.

1)



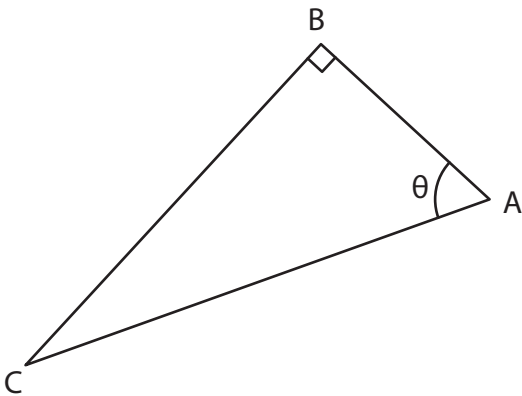
$\sin \theta =$

2)



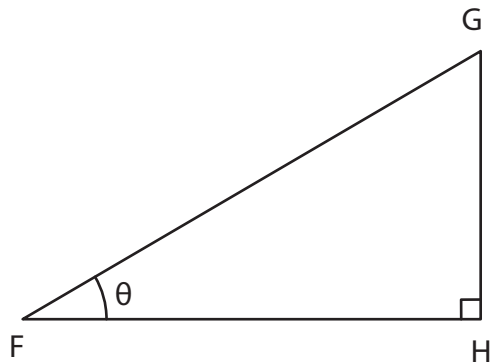
$\tan \theta =$

3)



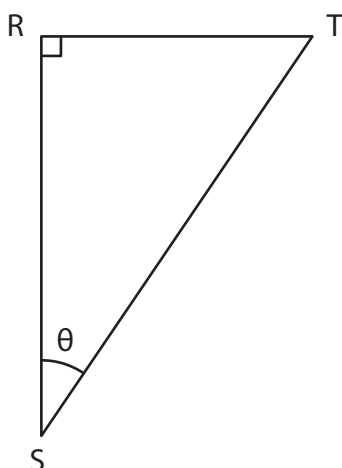
$\cos \theta =$

4)



$\operatorname{cosec} \theta =$

5)



$\sin \theta =$

$\operatorname{cosec} \theta =$

$\cos \theta =$

$\cos \theta =$

$\tan \theta =$

$\cot \theta =$



# Trigonometric Ratios

Name \_\_\_\_\_

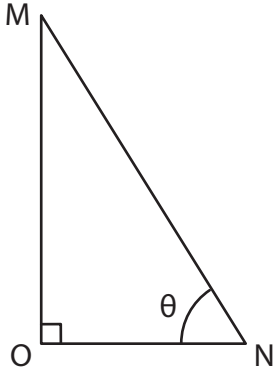
Score \_\_\_\_\_

## Answer key

QR:II:04

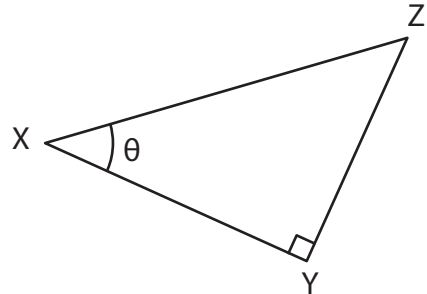
Find the trigonometric ratios using segments.

1)



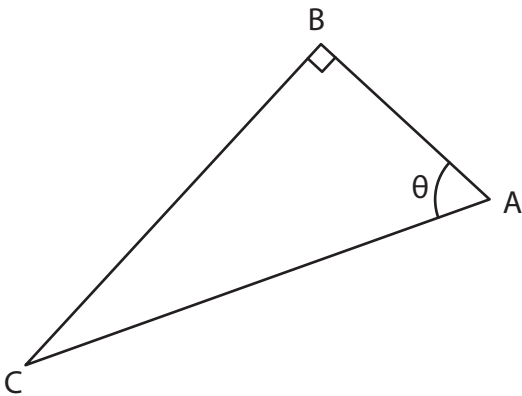
$$\sin \theta = \frac{MO}{MN}$$

2)



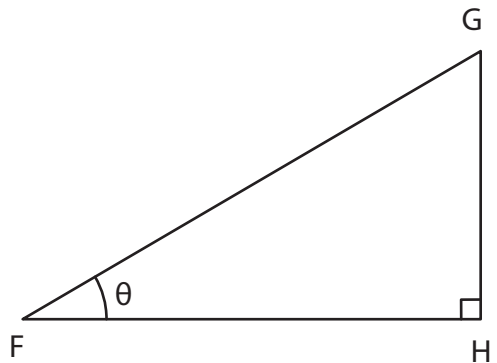
$$\tan \theta = \frac{YZ}{XY}$$

3)



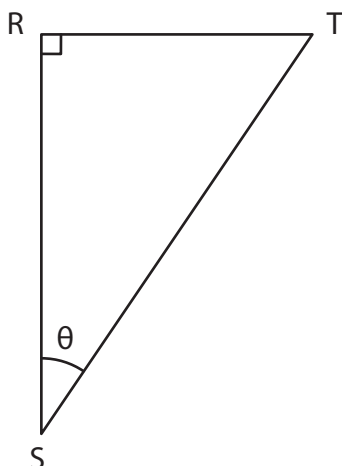
$$\cos \theta = \frac{AB}{AC}$$

4)



$$\operatorname{cosec} \theta = \frac{FG}{GH}$$

5)



$$\sin \theta = \frac{RT}{ST}$$

$$\operatorname{cosec} \theta = \frac{ST}{RT}$$

$$\cos \theta = \frac{RS}{ST}$$

$$\cos \theta = \frac{ST}{RS}$$

$$\tan \theta = \frac{RT}{RS}$$

$$\cot \theta = \frac{RS}{RT}$$