

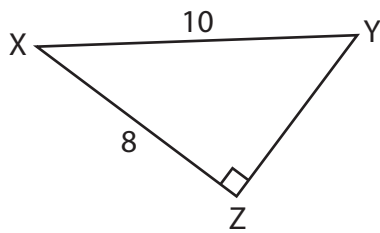
Name : \_\_\_\_\_

# Six Trigonometric Ratios

Sheet 1

Find the exact values of six trigonometric ratios for the mentioned angle.

1)  $\angle X$

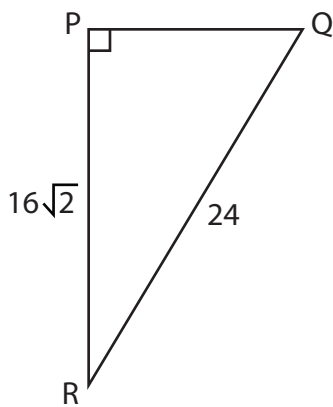


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2)  $\angle Q$

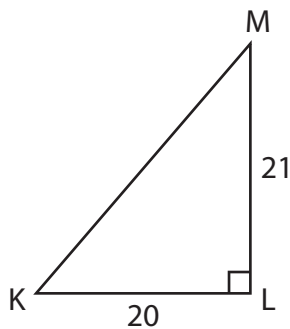


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3)  $\angle K$



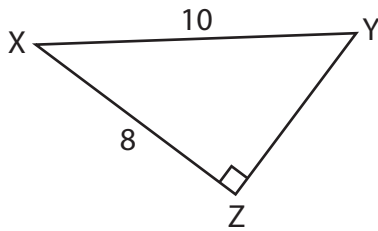
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**Six Trigonometric Ratios**

Find the exact values of six trigonometric ratios for the mentioned angle.

1)  $\angle X$ 

$$\sin X = \frac{3}{5}$$

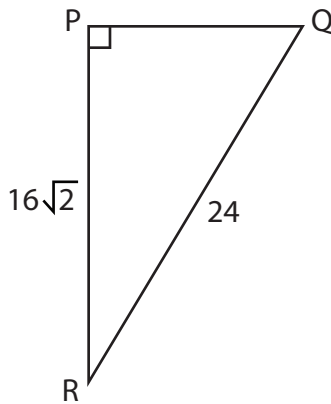
$$\csc X = \frac{5}{3}$$

$$\cos X = \frac{4}{5}$$

$$\sec X = \frac{5}{4}$$

$$\tan X = \frac{3}{4}$$

$$\cot X = \frac{4}{3}$$

2)  $\angle Q$ 

$$\sin Q = \frac{2\sqrt{2}}{3}$$

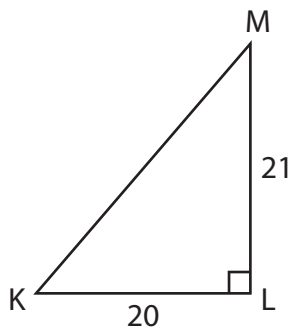
$$\csc Q = \frac{3\sqrt{2}}{4}$$

$$\cos Q = \frac{1}{3}$$

$$\sec Q = 3$$

$$\tan Q = 2\sqrt{2}$$

$$\cot Q = \frac{\sqrt{2}}{4}$$

3)  $\angle K$ 

$$\sin K = \frac{21}{29}$$

$$\csc K = \frac{29}{21}$$

$$\cos K = \frac{20}{29}$$

$$\sec K = \frac{29}{20}$$

$$\tan K = \frac{21}{20}$$

$$\cot K = \frac{20}{21}$$