

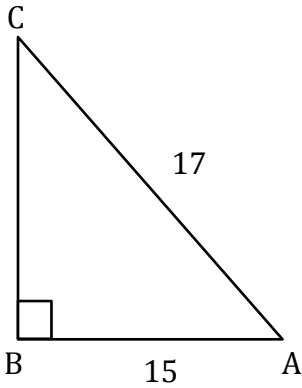
Trigonometry

Name: _____

Date: _____

Find all the six trigonometric ratios.

1) $\angle C$



$$\sin C = \frac{15}{17}$$

$$\operatorname{cosec} C = \frac{17}{15}$$

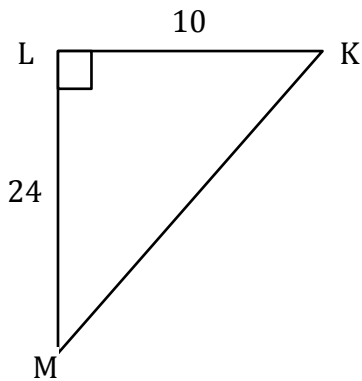
$$\cos C = \frac{8}{17}$$

$$\sec C = \frac{17}{8}$$

$$\tan C = \frac{15}{8}$$

$$\cot C = \frac{8}{15}$$

2) $\angle K$



$$\sin K = \underline{\hspace{2cm}}$$

$$\operatorname{cosec} K = \underline{\hspace{2cm}}$$

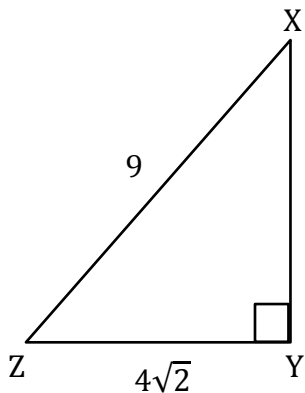
$$\cos K = \underline{\hspace{2cm}}$$

$$\sec K = \underline{\hspace{2cm}}$$

$$\tan K = \underline{\hspace{2cm}}$$

$$\cot K = \underline{\hspace{2cm}}$$

3) $\angle Z$



$$\sin Z = \underline{\hspace{2cm}}$$

$$\operatorname{cosec} Z = \underline{\hspace{2cm}}$$

$$\cos Z = \underline{\hspace{2cm}}$$

$$\sec Z = \underline{\hspace{2cm}}$$

$$\tan Z = \underline{\hspace{2cm}}$$

$$\cot Z = \underline{\hspace{2cm}}$$

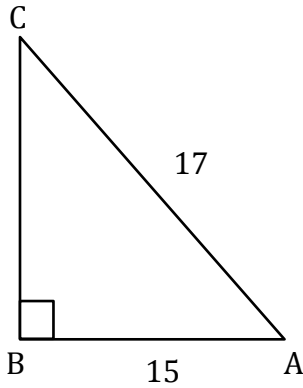
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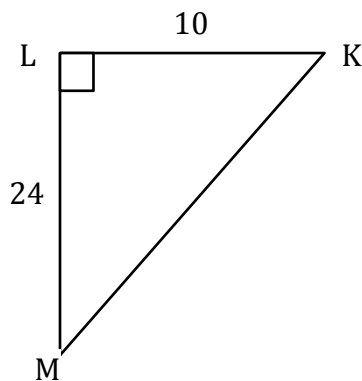
$$\cos C = \frac{8}{17}$$

$$\sec C = \frac{17}{8}$$

$$\tan C = \frac{15}{8}$$

$$\cot C = \frac{8}{15}$$

2) $\angle K$



$$\sin K = \frac{12}{13}$$

$$\operatorname{cosec} K = \frac{13}{12}$$

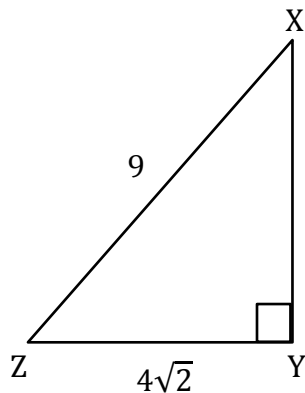
$$\cos K = \frac{5}{13}$$

$$\sec K = \frac{13}{5}$$

$$\tan K = \frac{12}{5}$$

$$\cot K = \frac{5}{12}$$

3) $\angle Z$



$$\sin Z = \frac{7}{9}$$

$$\operatorname{cosec} Z = \frac{9}{7}$$

$$\cos Z = \frac{4\sqrt{2}}{9}$$

$$\sec Z = \frac{9}{4\sqrt{2}}$$

$$\tan Z = \frac{7}{4\sqrt{2}}$$

$$\cot Z = \frac{4\sqrt{2}}{7}$$