

Name : _____

Trigonometric Ratios

Sheet 1

1) Find $\sin \theta$, if $\cos \theta = \frac{3}{5}$.

2) Find $\tan \theta$, if $\sin \theta = \frac{21}{29}$.

3) Find $\cos \theta$, if $\tan \theta = \frac{15}{8}$.

4) Find $\sin \theta$, if $\tan \theta = \sqrt{\frac{3}{2}}$.

5) Find $\tan \theta$, if $\cos \theta = \frac{4}{\sqrt{41}}$.

6) Find $\cos \theta$, if $\sin \theta = \frac{24}{25}$.

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Answer key

Sheet 1

Trigonometric Ratios

1) Find $\sin \theta$, if $\cos \theta = \frac{3}{5}$.

$$\sin \theta = \frac{4}{5}$$

2) Find $\tan \theta$, if $\sin \theta = \frac{21}{29}$.

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

3) Find $\cos \theta$, if $\tan \theta = \frac{15}{8}$.

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

4) Find $\sin \theta$, if $\tan \theta = \sqrt{\frac{3}{2}}$.

$$\sin \theta = \frac{\sqrt{15}}{5}$$

5) Find $\tan \theta$, if $\cos \theta = \frac{4}{\sqrt{41}}$.

$$\tan \theta = \frac{5}{4}$$

6) Find $\cos \theta$, if $\sin \theta = \frac{24}{25}$.

$$\cos \theta = \frac{7}{25}$$