

Trigonometry

Name: _____

Date: _____

Find the trigonometric ratios.

1) If $\sin\theta = \frac{54}{90}$, Find $\sec\theta$.

2) If $\cot\theta = \frac{73}{56}$, Find $\cos\theta$.

3) If $\tan\theta = \frac{52}{71}$, Find $\operatorname{cosec}\theta$.

4) If $\sin\theta = \frac{42}{70}$, Find $\cot\theta$.

5) If $\cos\theta = \frac{68}{85}$, Find $\cot\theta$.

6) If $\operatorname{cosec}\theta = \frac{65}{33}$, Find $\tan\theta$.

7) If $\sec\theta = \frac{65}{52}$, Find $\tan\theta$.

8) If $\cot\theta = \frac{75}{55}$, Find $\operatorname{cosec}\theta$.

9) If $\tan\theta = \frac{56}{90}$, Find $\sin\theta$.

10) If $\sec\theta = \frac{13}{\sqrt{69}}$, Find $\sin\theta$.

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Name: _____

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Find the trigonometric ratios.

1) If $\sin\theta = \frac{54}{90}$, Find $\sec\theta$.

$$\sec\theta = \frac{90}{72}$$

2) If $\cot\theta = \frac{73}{56}$, Find $\cos\theta$.

$$\cos\theta = \frac{73}{92}$$

3) If $\tan\theta = \frac{52}{71}$, Find $\operatorname{cosec}\theta$.

$$\operatorname{cosec}\theta = \frac{88}{52}$$

4) If $\sin\theta = \frac{42}{70}$, Find $\cot\theta$.

$$\cot\theta = \frac{56}{42}$$

5) If $\cos\theta = \frac{68}{85}$, Find $\cot\theta$.

$$\cot\theta = \frac{68}{51}$$

6) If $\operatorname{cosec}\theta = \frac{65}{33}$, Find $\tan\theta$.

$$\tan\theta = \frac{33}{56}$$

7) If $\sec\theta = \frac{65}{52}$, Find $\tan\theta$.

$$\tan\theta = \frac{39}{52}$$

8) If $\cot\theta = \frac{75}{55}$, Find $\operatorname{cosec}\theta$.

$$\operatorname{cosec}\theta = \frac{93}{55}$$

9) If $\tan\theta = \frac{56}{90}$, Find $\sin\theta$.

$$\sin\theta = \frac{56}{106}$$

10) If $\sec\theta = \frac{13}{\sqrt{69}}$, Find $\sin\theta$.

$$\sin\theta = \frac{10}{13}$$