

# Trigonometry

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

Date: \_\_\_\_\_

Find the trigonometric ratios.

1) If  $\cos\theta = \frac{3}{\sqrt{10}}$ , Find  $\sin\theta$ .

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2) If  $\sin\theta = \frac{48}{73}$ , Find  $\tan\theta$ .

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3) If  $\operatorname{cosec}\theta = \frac{35}{21}$ , Find  $\sec\theta$ .

\_\_\_\_\_

4) If  $\cot\theta = \frac{77}{36}$ , Find  $\cos\theta$ .

\_\_\_\_\_

5) If  $\tan\theta = \frac{20}{21}$ , Find  $\cos\theta$ .

\_\_\_\_\_

6) If  $\sec\theta = \frac{73}{55}$ , Find  $\sin\theta$ .

\_\_\_\_\_

7) If  $\cot\theta = \frac{24}{7}$ , Find  $\sin\theta$ .

\_\_\_\_\_

8) If  $\cot\theta = \frac{63}{16}$ , Find  $\sec\theta$ .

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9) If  $\sec\theta = \frac{65}{56}$ , Find  $\operatorname{cosec}\theta$ .

\_\_\_\_\_

10) If  $\sin\theta = \frac{51}{85}$ , Find  $\cot\theta$ .

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

Date: \_\_\_\_\_

Find the trigonometric ratios.

1) If  $\cos\theta = \frac{3}{\sqrt{10}}$ , Find  $\sin\theta$ .

$$\sin\theta = \frac{1}{\sqrt{10}}$$

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2) If  $\sin\theta = \frac{48}{73}$ , Find  $\tan\theta$ .

$$\tan\theta = \frac{48}{55}$$

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3) If  $\operatorname{cosec}\theta = \frac{35}{21}$ , Find  $\sec\theta$ .

$$\sec\theta = \frac{35}{28}$$

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4) If  $\cot\theta = \frac{77}{36}$ , Find  $\cos\theta$ .

$$\cos\theta = \frac{77}{85}$$

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5) If  $\tan\theta = \frac{20}{21}$ , Find  $\cos\theta$ .

$$\cos\theta = \frac{21}{29}$$

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6) If  $\sec\theta = \frac{73}{55}$ , Find  $\sin\theta$ .

$$\sin\theta = \frac{48}{73}$$

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7) If  $\cot\theta = \frac{24}{7}$ , Find  $\sin\theta$ .

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

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8) If  $\cot\theta = \frac{63}{16}$ , Find  $\sec\theta$ .

$$\sec\theta = \frac{65}{63}$$

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9) If  $\sec\theta = \frac{65}{56}$ , Find  $\operatorname{cosec}\theta$ .

$$\operatorname{cosec}\theta = \frac{65}{33}$$

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10) If  $\sin\theta = \frac{51}{85}$ , Find  $\cot\theta$ .

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

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