



# Trigonometry · Grade 10

Some answers are exact values; others are rounded (calculator approximations).

Name \_\_\_\_\_ Date \_\_\_\_\_ Score \_\_\_\_\_ / 8

**01**

Right triangle:  $\angle C = 90^\circ$ ,  $a = 12$ ,  $c = 20$ .  
Find  $\angle A \approx$

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**02**  $\tan 45^\circ =$  \_\_\_\_\_**03**

Right triangle:  $\angle C = 90^\circ$ ,  $\angle A = 41^\circ$ ,  $c = 30$ . Find  $a \approx$

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**04**  $\cos 30^\circ =$  \_\_\_\_\_**05**  $\sin 30^\circ =$  \_\_\_\_\_**06**

Right triangle:  $a = 12$ ,  $b = 35$ ,  $c = 37$ ,  
 $\angle C = 90^\circ$ .  $\cos A =$

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**07**

Right triangle:  $\angle C = 90^\circ$ ,  $\angle A = 55^\circ$ ,  $c = 27$ . Find  $b \approx$

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**08**

Right triangle:  $\angle C = 90^\circ$ ,  $a = 6$ ,  $c = 10$ .  
Find  $\angle A \approx$

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