

## Section 7.4 Extra Practice

1. Determine each value to the nearest degree.

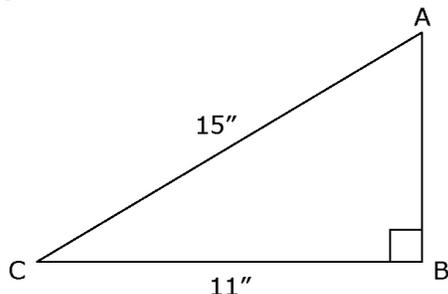
- a)  $\sin^{-1}(0.1736)$   
 b)  $\cos^{-1}(0.1736)$   
 c)  $\sin^{-1}(0.588)$   
 d)  $\cos^{-1}(0.588)$

2. What is each measure of angle A, to the nearest degree?

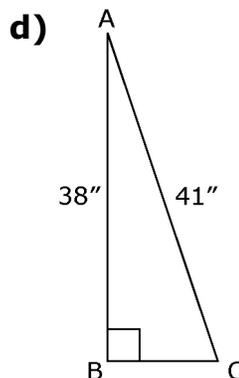
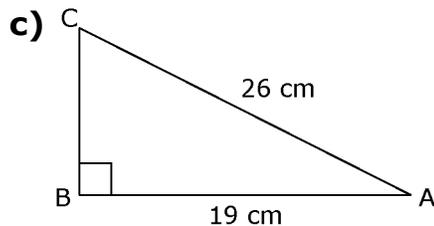
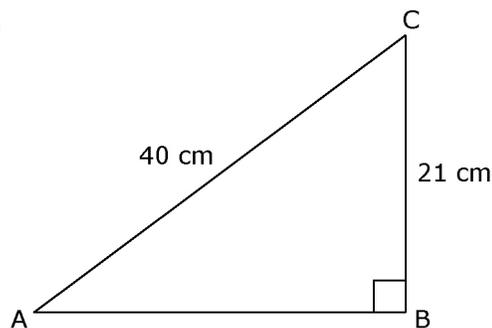
- a)  $\sin^{-1} A = 0.4226$   
 b)  $\cos^{-1} A = 0.4226$   
 c)  $\sin^{-1} A = 0.906$   
 d)  $\cos^{-1} A = 0.906$

3. Use the sine ratio or cosine ratio to determine the measure of each angle A.

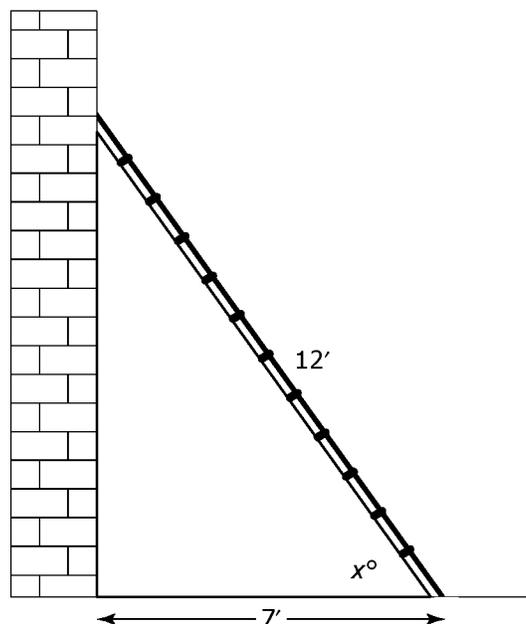
a)



b)



4. Determine the angle of a 12' ladder with the ground, if the foot of the ladder is 7' from a wall.



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

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

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(continued)

5. Determine the angle that a 10-m kite string makes with the ground, if the kite is flying at a height of 8 m.

