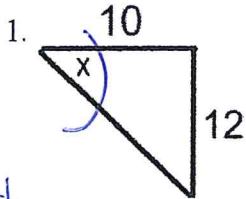


Name Schlansky  
Mr. Schlansky

Date \_\_\_\_\_  
Geometry

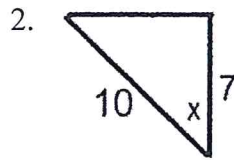
## Finding Angles With Trig

Find the angle measure to the nearest degree



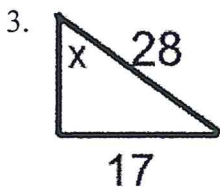
$$\tan x = \frac{12}{10}$$

$$x = 50^\circ$$



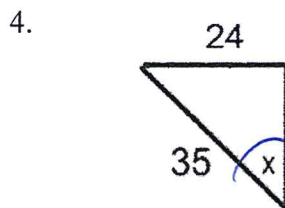
$$\cos x = \frac{7}{10}$$

$$x = 46^\circ$$



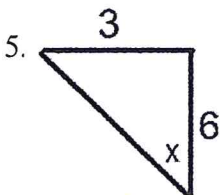
$$\sin x = \frac{17}{28}$$

$$x = 37^\circ$$



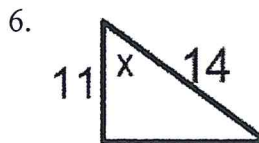
$$\sin x = \frac{24}{35}$$

$$x = 43^\circ$$



$$\tan x = \frac{3}{6}$$

$$x = 27^\circ$$



$$\cos x = \frac{11}{14}$$

$$x = 38^\circ$$

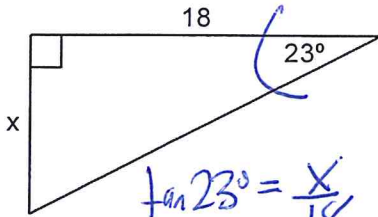
Name Schlansky  
Mr. Schlansky

Date \_\_\_\_\_  
~~Algebra~~  
Geometry

## Finding Sides With Trig

Find the missing side to the nearest tenth

1.

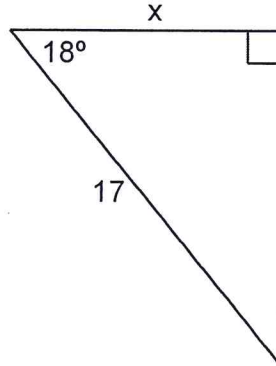


$$\tan 23^\circ = \frac{x}{18}$$

$$.4245 = \frac{x}{18}$$

$$x = 7.6$$

2.

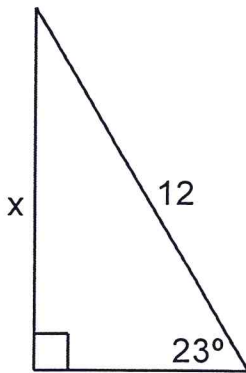


$$\cos 18^\circ = \frac{x}{17}$$

$$.9511 = \frac{x}{17}$$

$$x = 16.2$$

3.

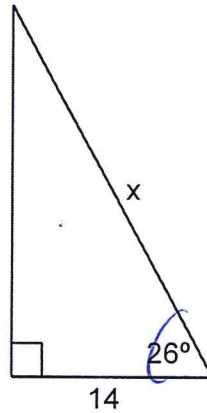


$$\sin 23^\circ = \frac{x}{12}$$

$$.3907 = \frac{x}{12}$$

$$x = 4.7$$

4.



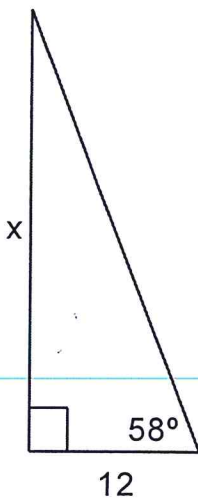
$$\cos 26^\circ = \frac{14}{x}$$

$$.8988 = \frac{14}{x}$$

$$.8988x = 14$$

$$x = 15.6$$

5.

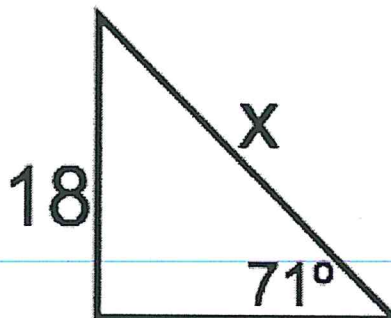


$$\tan 58^\circ = \frac{x}{12}$$

$$1.6003 = \frac{x}{12}$$

$$x = 19.2$$

6.



$$\sin 71^\circ = \frac{18}{x}$$

$$.9455 = \frac{18}{x}$$

$$.9455x = 18$$

$$x = 19.0$$