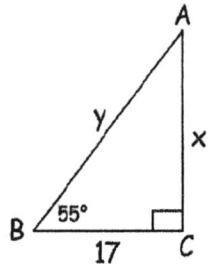


Trigonometry Review:

Name: _____

#1

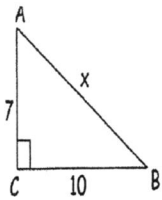


$X =$ _____

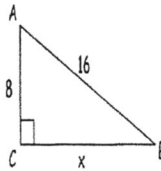
$Y =$ _____

$\angle A =$ _____

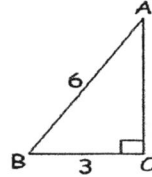
#2 Find the value of x:



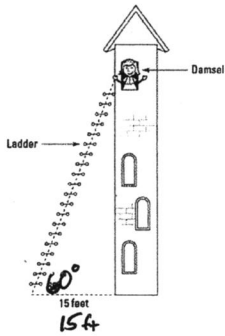
#3 Find the value of x:



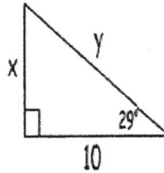
#4 Find angle A



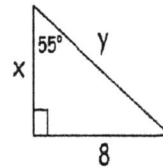
#5 Find the height of the castle:



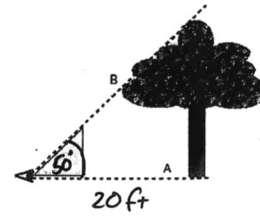
#6 Find the value of x & y:



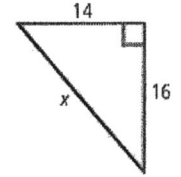
#7 Find the value of x & y:



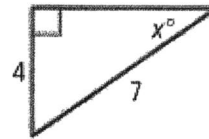
#8 Find the height of the tree:



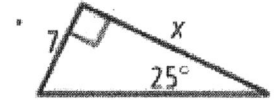
#9 Find the value of x:



#10 Find the angle of x:



#11 Find the value of x:



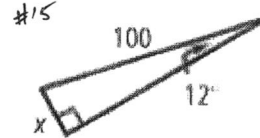
State the triangle as ACUTE, OBTUSE, RIGHT:

#12 7, 8, 9

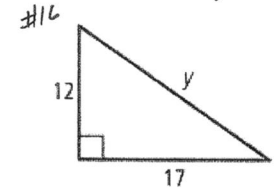
#13 15, 36, 39

#14 10, 12, 16

Find the value of x:



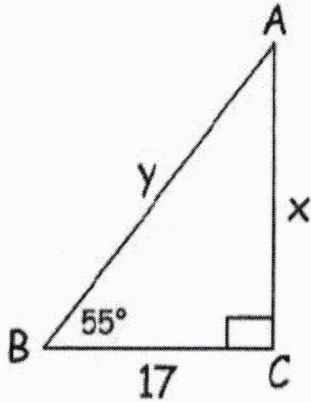
Find the value of y:



Trigonometry Review:

Name: _____

#1



~~tan 55 =~~

$$\tan 55 = \frac{x}{17}$$

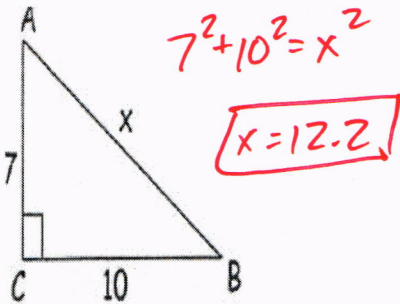
$$\cos 55 = \frac{17}{y}$$

$$x = 24.3$$

$$y = 29.6$$

$$\angle A = 35$$

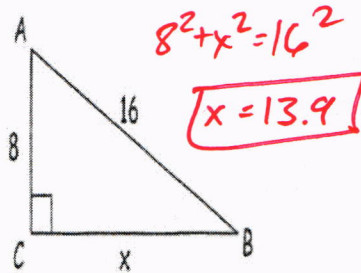
#2 Find the value of x:



$$7^2 + 10^2 = x^2$$

$$x = 12.2$$

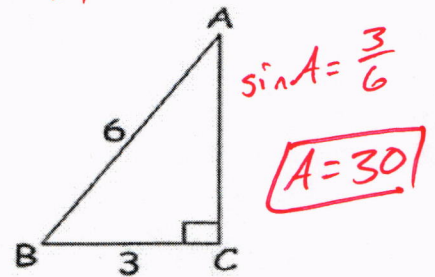
#3 Find the value of x:



$$8^2 + x^2 = 16^2$$

$$x = 13.9$$

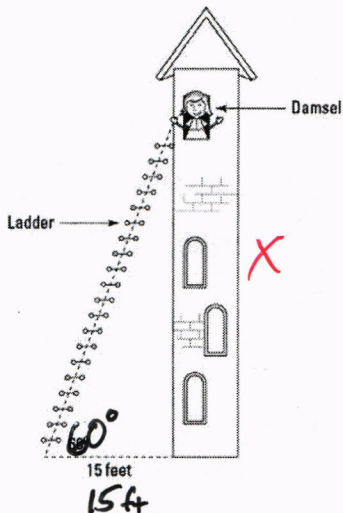
#4 Find angle A



$$\sin A = \frac{3}{6}$$

$$A = 30$$

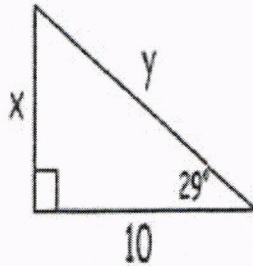
#5 Find the height of the castle:



$$\tan 60 = \frac{x}{15}$$

$$x = 26.0$$

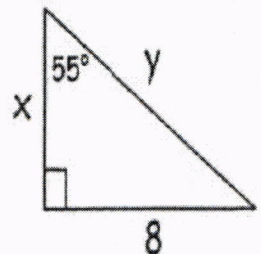
#6 Find the value of x & y:



$$\cos 29 = \frac{10}{y} \quad y = 11.4$$

$$\tan 29 = \frac{x}{10} \quad x = 5.5$$

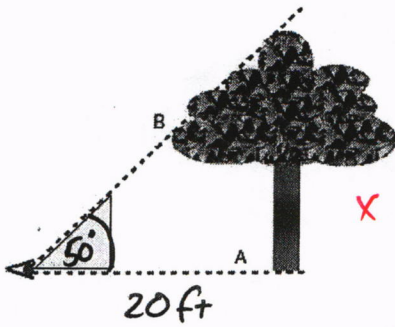
#7 Find the value of x & y:



$$\tan 55 = \frac{8}{x} \quad x = 5.4$$

$$\sin 55 = \frac{8}{y} \quad y = 9.8$$

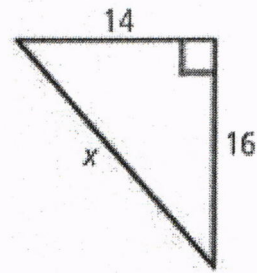
#8 Find the height of the tree:



$$\tan 50 = \frac{x}{20}$$

$$x = 23.8$$

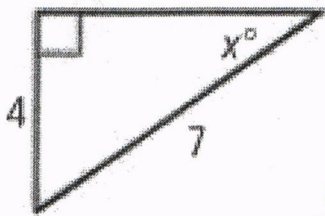
#9 Find the value of x:



$$14^2 + 16^2 = x^2$$

$$x = 21.3$$

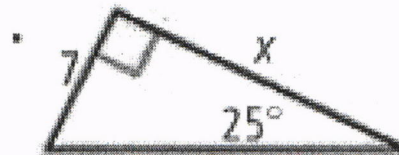
#10 Find the angle of x:



$$\sin x = \frac{4}{7}$$

$$\sin^{-1}\left(\frac{4}{7}\right) x = 34.8^\circ$$

#11 Find the value of x:



$$\tan 25 = \frac{7}{x}$$

$$x = 15$$

State the triangle as ACUTE, OBTUSE, RIGHT:

#12 7, 8, 9

$$7^2 + 8^2 \text{ — } 9^2$$

$$113 \text{ — } 81$$

$$\text{Acute}$$

#13 15, 36, 39

$$15^2 + 36^2 \text{ — } 39^2$$

$$1521 \text{ — } 1521$$

$$\text{Right}$$

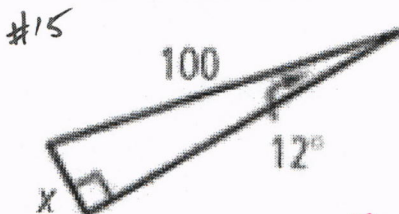
#14 10, 12, 16

$$10^2 + 12^2 \text{ — } 16^2$$

$$244 \text{ — } 256$$

$$\text{Obtuse}$$

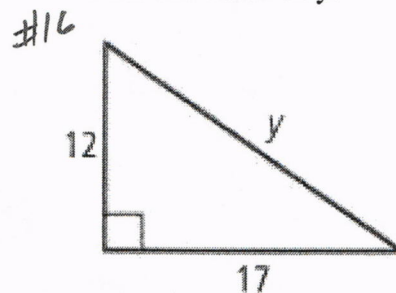
Find the value of x:



$$\sin 12 = \frac{x}{100}$$

$$x = 20.8$$

Find the value of y:



$$12^2 + 17^2 = y^2$$

$$433 = y^2$$

$$y = 20.8$$