p5 . p 1-4 odds

Word problems

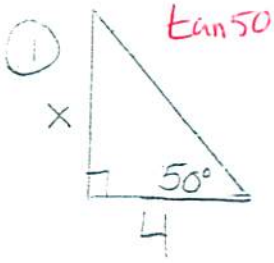
Geometry Name.

Tangent Practice #1

$\tan\theta = \frac{\text{opposite}}{\text{adjacent}}$

Solve for missing information.

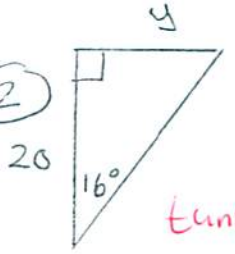
(1)



$\tan 50 = \frac{x}{4}$

$x = 4.767$

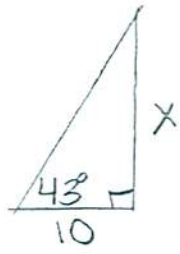
(2)



$\tan 16 = \frac{y}{20}$

$y = 5.735$

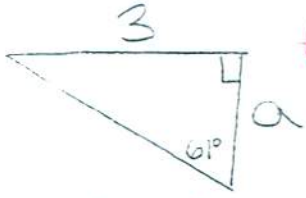
(3)



$\tan 43 = \frac{x}{10}$

$x = 9.325$

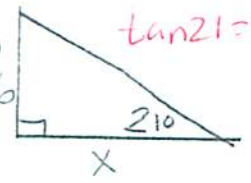
(4)



$\tan 61 = \frac{3}{a}$

$a = 1.663$

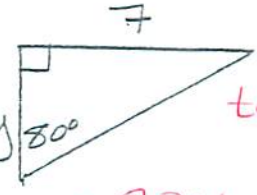
(5)



$\tan 21 = \frac{6}{x}$

$x = 15.631$

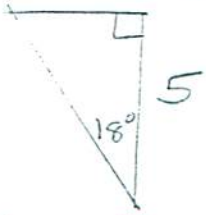
(6)



$\tan 80 = \frac{7}{y}$

$y = 1.234$

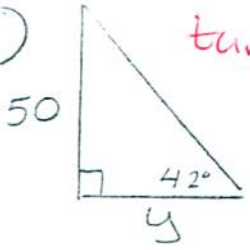
(7)



$\tan 18 = \frac{x}{5}$

$x = 1.625$

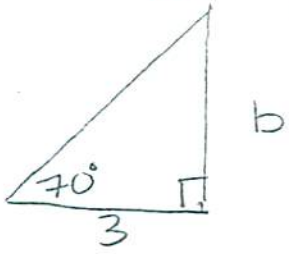
(8)



$\tan 42 = \frac{50}{y}$

$y = 55.531$

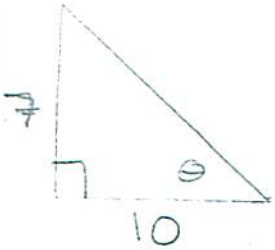
(9)



$\tan 70 = \frac{b}{3}$

$b = 8.242$

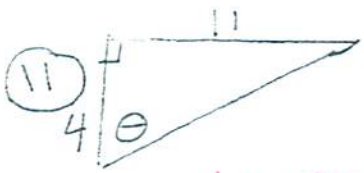
(10)



$\tan\theta = \frac{7}{10}$

$\theta = 34.992°$

(11)



$\tan\theta = \frac{11}{4}$

$\theta = 70.017°$

(12)

$\tan\theta = \frac{18}{2}$

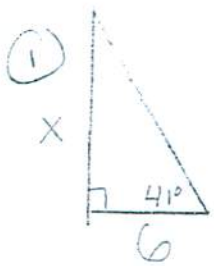
$\theta = 83.660°$

Geometry Name:
Tangent Practice #2

$\tan\theta = \frac{\text{opposite}}{\text{adjacent}}$

Solve for the missing information.

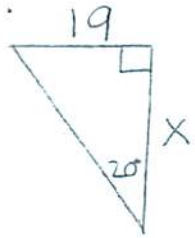
(1)



$\tan 41 = \frac{x}{6}$

$x = 5.216$

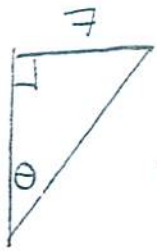
(2)



$\tan 20 = \frac{19}{x}$

$x = 52.202$

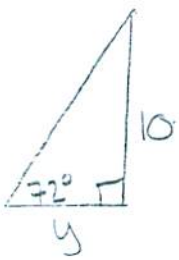
(3)



$\tan\theta = \frac{7}{9}$

$\theta = 37.875°$

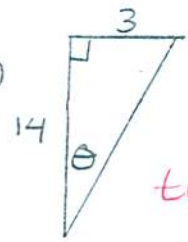
(4)



$\tan 72 = \frac{10}{y}$

$y = 3.249$

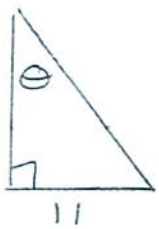
(5)



$\tan\theta = \frac{3}{14}$

$\theta = 12.095°$

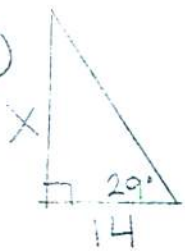
(6)



$\tan\theta = \frac{11}{9}$

$\theta = 50.711°$

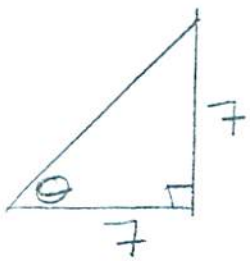
(7)



$x = 7.760$

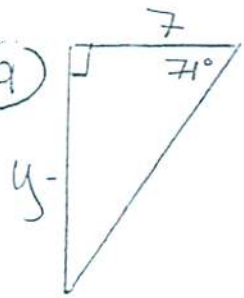
$\tan 29 = \frac{x}{14}$

(8)



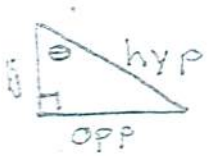
$\theta = 45°$

(9)



$y = 20.329$

$\tan 71 = \frac{y}{7}$

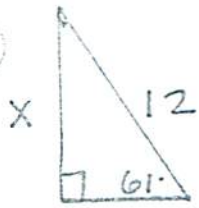


$\sin\theta = \frac{opp}{hyp}$ $\cos\theta = \frac{adj}{hyp}$

Geometry Name:

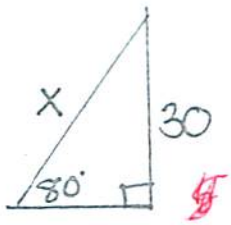
Sin/Cos Practice #1

Solve for missing information.

① 

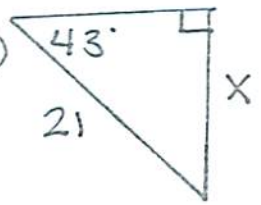
$\sin 61 = \frac{x}{12}$

$X = 10.495$

② 

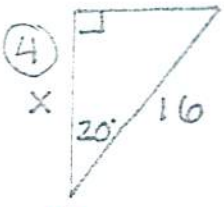
$\sin 80 = \frac{30}{x}$

$x = 30.423$

③ 

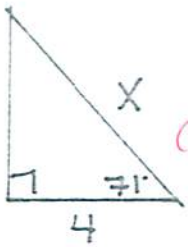
$\sin 43 = \frac{x}{21}$

$X = 14.322$

④ 

$\cos 20 = \frac{x}{16}$

$X = 15.035$

⑤ 

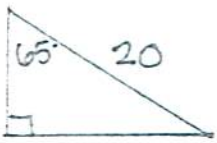
$\cos 71 = \frac{4}{x}$

$x = 12.286$

⑥ 

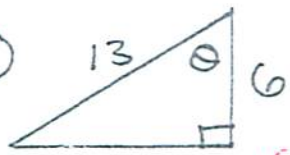
$\cos 11 = \frac{26}{x}$

$X = 26.487$

⑦ 

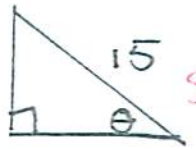
$\cos 65 = \frac{x}{20}$

$X = 8.452$

⑧ 

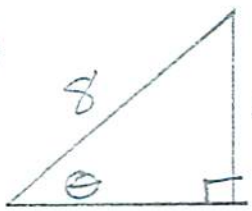
$\cos\theta = \frac{6}{13}$

$\theta = 62.514°$

⑨ 

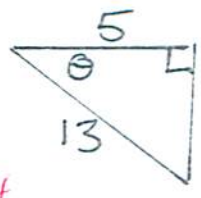
$\sin\theta = \frac{11}{15}$

$\theta = 47.167°$

⑩ 

$\sin\theta = \frac{4}{8}$

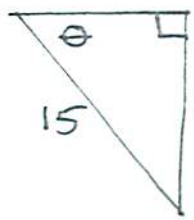
$\theta = 30°$

⑪ 

~~$\sin\theta =$~~

$\cos\theta = \frac{5}{13}$

$\theta = 67.380°$

⑫ 

$\sin\theta = \frac{11}{15}$

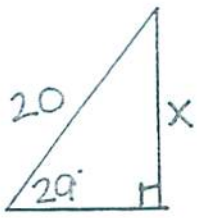
$\theta = 47.167°$

SOHCAHTOA

Geometry Name

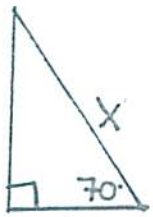
Sin/Cos Practice #2

Solve for missing information

① 

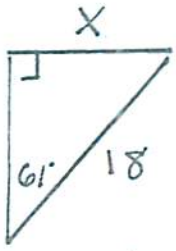
$\sin 29 = \frac{x}{20}$

$x = 9.696$

② 

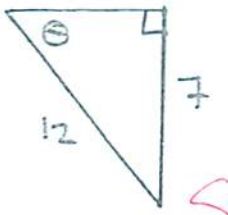
$\cos 70 = \frac{14}{x}$

$x = 40.935$

③ 

$\sin 61 = \frac{x}{18}$

$x = 15.743$

④ 

$\sin\theta = \frac{7}{12}$

$\theta = 35.685°$

⑤ 

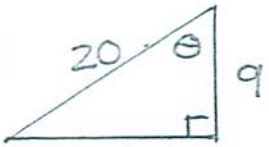
$\cos\theta = \frac{9}{18}$

$\theta = 60°$

⑥ 

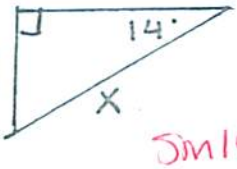
$\sin 29 = \frac{x}{30}$

$x = 14.544$

⑦ 

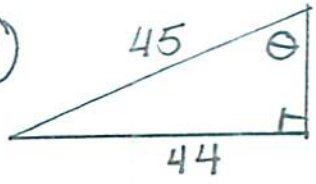
$\cos\theta = \frac{9}{20}$

$\theta = 63.256°$

⑧ 

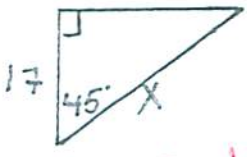
$\sin 14 = \frac{9}{x}$

$x = 37.202$

⑨ 

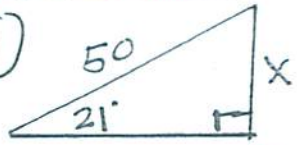
$\sin\theta = \frac{44}{45}$

$\theta = 77.899°$

⑩ 

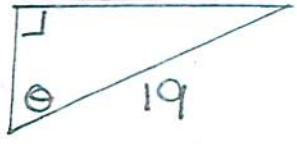
$\cos 45 = \frac{17}{x}$

$x = \frac{17\sqrt{2}}{1} = 24.042$

⑪ 

$\sin 21 = \frac{x}{50}$

$x = 17.918$

⑫ 

$\cos\theta = \frac{6}{19}$

$\theta = 71.592$