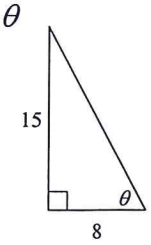
Algebra 2 Name_____

Trig #2

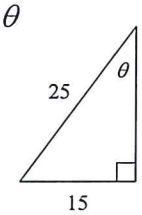
Period____

Find the value of the trig function indicated.

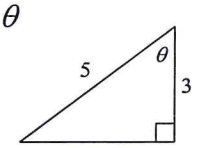
1) cot θ



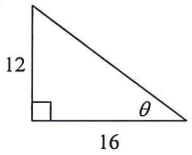
2) sec θ



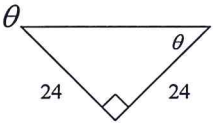
3) cot θ



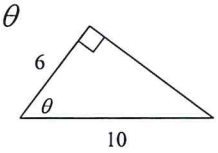
4) csc θ



5) sec θ



6) csc θ



In each triangle ABC, angle C is a right angle. Find the value of the trig function indicated.

7) Find $\cot A$ if $c = 5,\ b = 3$

8) Find $\csc A$ if $a = 16,\ b = 12$

9) Find $\cot A$ if $c = 9\sqrt{2},\ a = 9$

10) Find $\sec A$ if $c = 21,\ b = 14\sqrt{2}$

11) Find $\csc A$ if $a = 3,\ b = 4$

12) Find $\sec A$ if $a = 12,\ c = 13$

Find the value of the trig function indicated.

13) Find $\sec\theta$ if $\sin\theta = \dfrac{\sqrt{2}}{2}$

14) Find $\cot\theta$ if $\sec\theta = \dfrac{25}{24}$

15) Find $\sec\theta$ if $\cot\theta = \dfrac{\sqrt{6}}{12}$

16) Find $\cot\theta$ if $\tan\theta = \dfrac{3\sqrt{7}}{7}$

17) Find $\csc\theta$ if $\cos\theta = \dfrac{2\sqrt{5}}{5}$

18) Find $\csc\theta$ if $\sin\theta = \dfrac{\sqrt{2}}{2}$