Honors PreCalculus Name_____

7-5 Practice - All 6 Trig Functions

Date_____ Period____

Find the value of the trig function indicated.

1) Find $\tan\theta$ if $\csc\theta = \frac{13}{12}$

$\frac{12}{5}$

2) Find $\sec\theta$ if $\csc\theta = \frac{25}{7}$

$\frac{25}{24}$

3) Find $\cot\theta$ if $\sin\theta = \frac{5}{13}$

$\frac{12}{5}$

4) Find $\sec\theta$ if $\tan\theta = \frac{\sqrt{11}}{5}$

$\frac{6}{5}$

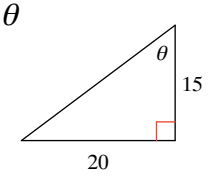
5) Find $\cot\theta$ if $\cos\theta = \frac{5}{13}$

$\frac{5}{12}$

6) Find $\tan\theta$ if $\sec\theta = \frac{\sqrt{10}}{3}$

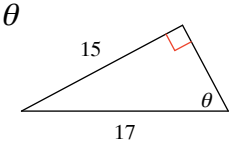
$\frac{1}{3}$

7) $\sec\theta$



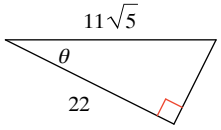
$\frac{5}{3}$

8) $\cos\theta$



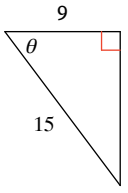
$\frac{8}{17}$

9) $\csc\theta$



$\sqrt{5}$

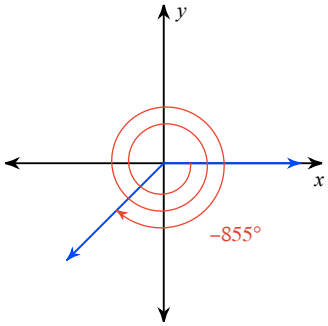
10) $\cot\theta$



$\frac{3}{4}$

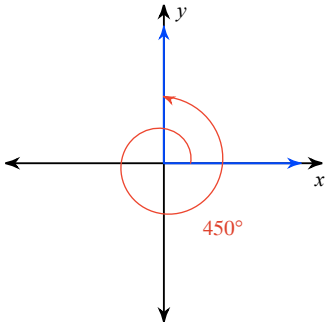
Find the exact value of each trigonometric function.

11) cot θ



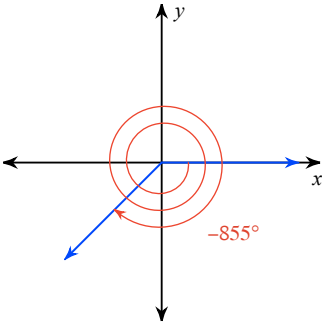
1

12) sec θ



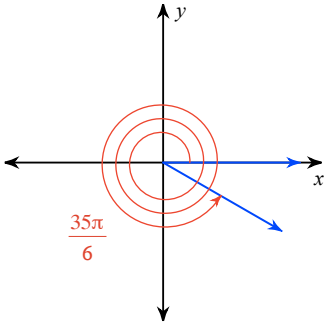
Undefined

13) csc θ



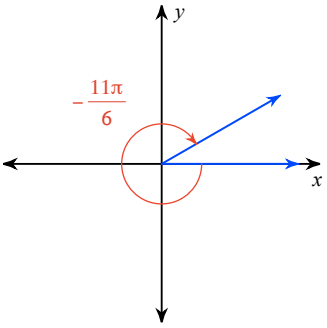
$-\sqrt{2}$

14) cot θ



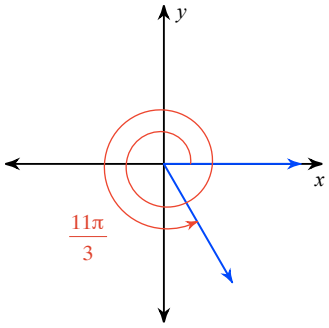
$-\sqrt{3}$

15) csc θ



2

16) sec θ



2