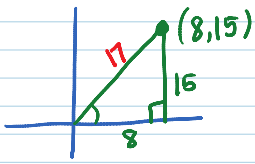
13.3B HW

Wednesday, May 07, 2014
9:45 AM

870) $3-11^{\text{odd}}, 32$

(3)

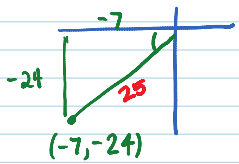


$\sin = \frac{15}{17}$ $\csc = \frac{17}{15}$

$\cos = \frac{8}{17}$ $\sec = \frac{17}{8}$

$\tan = \frac{15}{8}$ $\cot = \frac{8}{15}$

(5)

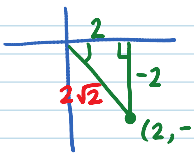


$\sin = -\frac{24}{25}$ $\csc = \frac{25}{-24}$

$\cos = \frac{-7}{25}$ $\sec = \frac{25}{-7}$

$\tan = \frac{24}{7}$ $\cot = \frac{7}{24}$

(7)



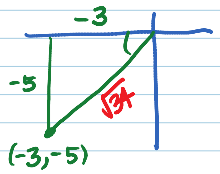
$\sqrt{8} = 2\sqrt{2}$

$\sin = \frac{-2}{2\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{-2\sqrt{2}}{2 \cdot 2} = -\frac{\sqrt{2}}{2}$ $\csc = -\sqrt{2}$

$\cos = \frac{2}{2\sqrt{2}} = \frac{\sqrt{2}}{2}$ $\sec = \sqrt{2}$

$\tan = \frac{-2}{2} = -1$ $\cot = -1$

(9)

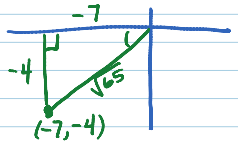


$\sin = \frac{-5}{\sqrt{34}} = \frac{-5\sqrt{34}}{34}$ $\csc = \frac{\sqrt{34}}{-5}$

$\cos = \frac{-3}{\sqrt{34}} = \frac{-3\sqrt{34}}{34}$ $\sec = \frac{\sqrt{34}}{-3}$

$\tan = \frac{-5}{-3} = \frac{5}{3}$ $\cot = \frac{3}{5}$

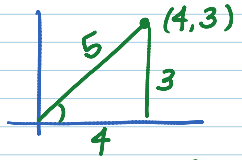
(11)



$\tan = \frac{4}{7}$

C

(32)



$\tan\theta = \frac{3}{4}$