10.
$$\tan (x - y)$$
 if $\tan x = \frac{5}{4}$ and $\sec y = 2$

$$\frac{t_{gn} \times -t_{gn}}{1+t_{gn} \times t_{gn}} = \frac{t_{gn} \times -t_{gn}}{t_{gn} \times t_{gn}} = \frac{t_{gn} \times -t$$

9.
$$\cos (x + y)$$
 if $\sin x = \frac{2}{3}$ and $\sin y = \frac{3}{4}$

$$\begin{array}{c} \cos x \cos y - \sin x \sin y \\ = \left(\frac{15}{3} \right) \left(\frac{17}{4} \right) - \left(\frac{2}{3} \right) \left(\frac{3}{4} \right) \\ = \frac{\sqrt{35} - 6}{12} \end{array}$$

$$(\frac{3}{3})^{2} + (us^{2}x = 1)$$

 $(0s^{2}x = \frac{5}{9})^{2}$
 $(0sx = \frac{\sqrt{5}}{3})^{2}$

$$\left(\frac{3}{9}\right)^{2} + \left(05^{2}\right) = 1$$

$$\left(05^{2}\right) = \frac{7}{16}$$

$$\left(05\right) = \frac{57}{4}$$

Quiz Monday Sections 7.1-7.3

Worksheet due Friday