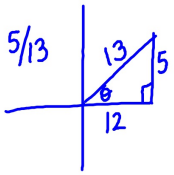
May 15 Section 10-4 Continued

1. $\sec\left(\underbrace{\sin^{-1}\frac{5}{13}}\right)$

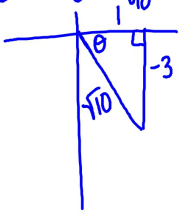
$= \sec\theta = \frac{13}{12}$

$\sin\theta = 5/13$



2. $\sin\left(\underbrace{\tan^{-1}(-3)}\right)$

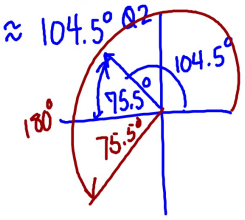
$= \sin\theta = \frac{-3}{\sqrt{10}}$



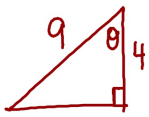
3. Solve $\cos\theta = -.25$, $\underbrace{180° < \theta < 270°}_{Q3}$

$\theta = \cos^{-1}(-.25)$ $= 255.5°$

$\theta \approx 104.5°$ Q2



4.



$\cos\theta = \frac{4}{9}$

$\theta \approx \cos^{-1}(4/9)$

$\theta \approx 63.6°$