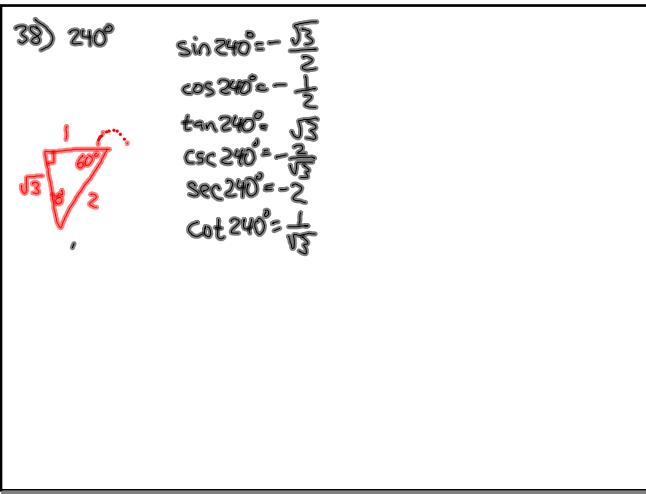
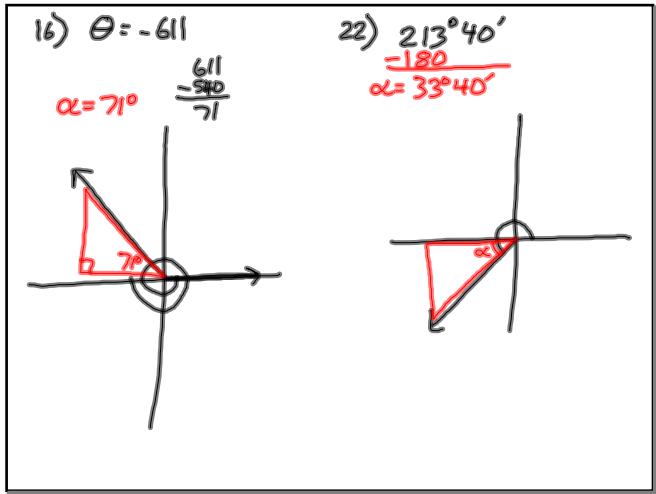
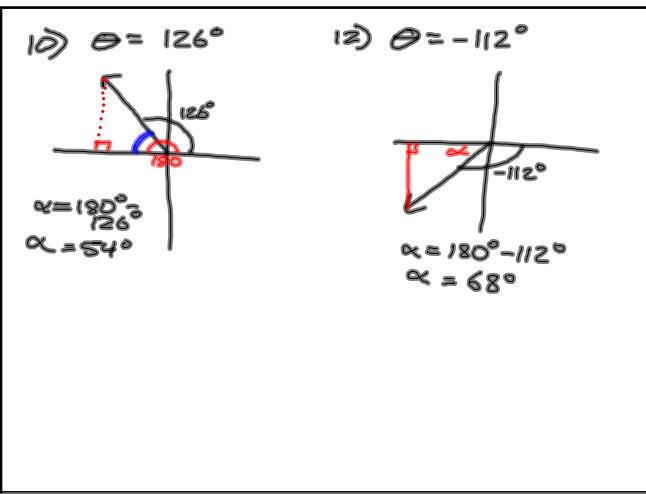
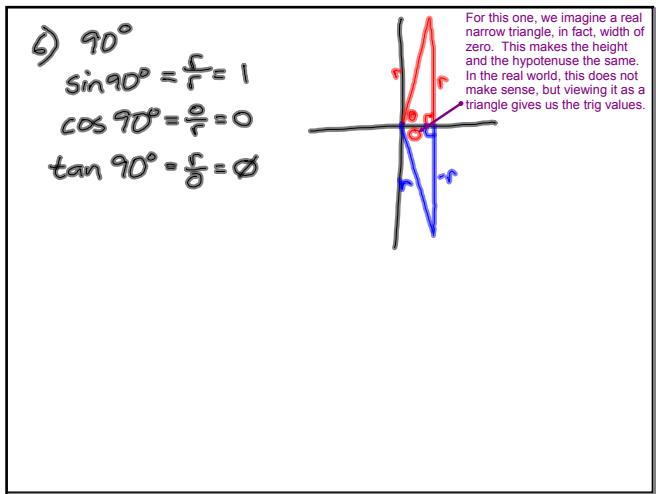
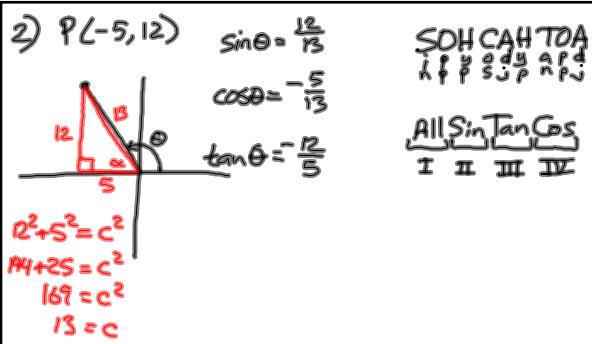
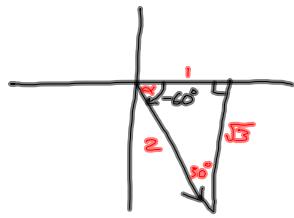


$\sin \theta$	$\cos \theta$	$\tan \theta$	$\csc \theta$	$\sec \theta$	$\cot \theta$
2) $\frac{\sqrt{3}}{13} - \frac{5\sqrt{3}}{13} - \frac{13}{5} \frac{5}{12} - \frac{5}{13} - \frac{5}{12}$					
3) $\frac{21}{25} - \frac{2}{25} - \frac{21}{5} \frac{25}{21} \frac{25}{7} - \frac{7}{21} - \frac{7}{25}$					
4) $- \frac{15}{17} - \frac{8}{17} \frac{15}{17} - \frac{7}{15} - \frac{7}{13} \frac{13}{15}$					
6) 1 0 Ø 1 Ø 0					
8) -1 0 Ø -1 Ø 0					
38) $-\frac{\sqrt{3}}{5} - \frac{1}{5} \frac{\sqrt{3}}{5} - \frac{3\sqrt{3}}{5} -2 \frac{1}{5}$					
40) $-\frac{\sqrt{3}}{5} \frac{1}{5} -\frac{\sqrt{3}}{5} -\frac{3\sqrt{3}}{5} 2 -\frac{1}{5}$					
42) $-\frac{\sqrt{3}}{5} \frac{1}{5} -\frac{\sqrt{3}}{5} -\frac{3\sqrt{3}}{5} 2 -\frac{1}{5}$					
44) $\frac{\sqrt{3}}{5} -\frac{1}{5} -\frac{\sqrt{3}}{5} \frac{3\sqrt{3}}{5} -2 -\frac{1}{5}$					
46) $-\frac{4}{5} -\frac{3}{5} \frac{4}{5} -\frac{3}{5} -\frac{5}{5} \frac{3}{5}$					
48) $\frac{4}{5} -\frac{3}{5} -\frac{4}{5} \frac{5}{5} -\frac{5}{5} \frac{3}{5}$					
50) $-\frac{2\sqrt{5}}{5} \frac{\sqrt{21}}{5} -\frac{3\sqrt{5}}{5} -\frac{5}{2} \frac{5\sqrt{21}}{5} -\frac{5\sqrt{5}}{2}$					
52) $-\frac{2\sqrt{5}}{5} \frac{\sqrt{21}}{5} -\frac{3\sqrt{5}}{5} -\frac{5}{2} \frac{13}{5} -\frac{5}{12}$					
10) 54°	Algebra II pg 566				
12) 68°					
14) 61°					
16) 71°					
18) 45.3°					
20) 15.8°					
22) 33°40'					
24) 47°10'					
60) 30°, 150°					
62) 300°, 240°					
64) 10°, 140°					
66) 100°, 260°					



40) $\sin -60^\circ = -\frac{\sqrt{2}}{2}$
 $\cos -60^\circ = \frac{1}{2}$
 $\tan -60^\circ = -\frac{\sqrt{3}}{2}$



48) $\cos \theta = -\frac{3}{5}$ $\sin \theta > 0$
 I II

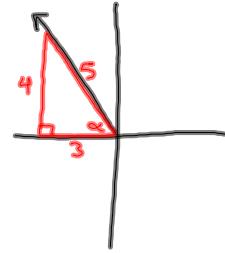
$\sin \theta = \frac{4}{5}$

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

$\cot \theta = -\frac{3}{4}$

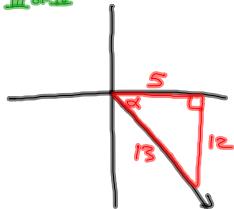
$\sec \theta = -\frac{5}{3}$

$\csc \theta = \frac{5}{4}$



52) $\sec \theta = \frac{13}{5}$ $\sin \theta < 0$
 III or IV

$\cos \theta = \frac{5}{13}$ pos, I or III

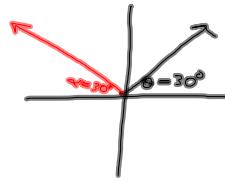
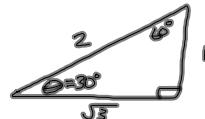


60) $\sin \theta = \frac{1}{2}$ opp hyp

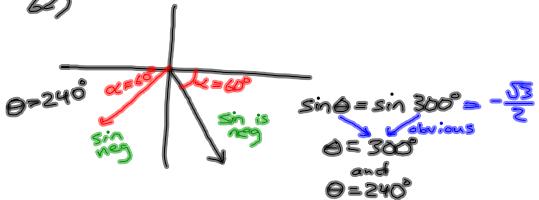
sin is positive in
Quads I and II

$\theta = 30^\circ$ $\alpha = 30^\circ$

$\theta = 150^\circ$

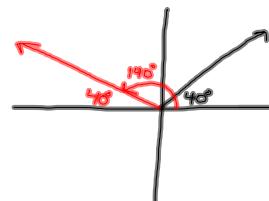


62)



64)

$\sin \theta = \sin 40^\circ$ Quad I, and positive answer.
 $\theta = 40^\circ$
 or
 $\theta = 140^\circ$



$$66) \cos \theta = \cos 100^\circ$$

$$\theta = 100^\circ$$

$$\alpha = 80^\circ$$

in Quad II

\cos is neg

also in III

In Quad III

$$\alpha = 80^\circ \Rightarrow \theta = 260^\circ$$

