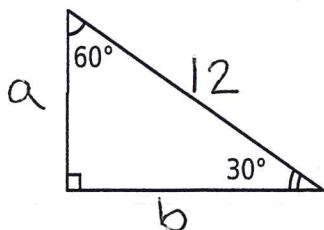


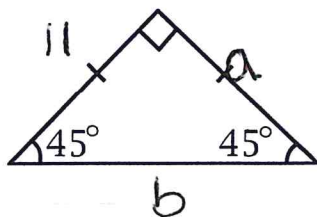
Math 3 Ch 8 Review

Prob 1-3, Solve for a and b

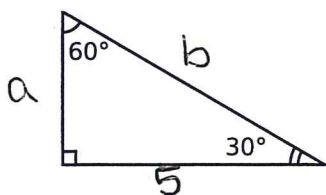
1.



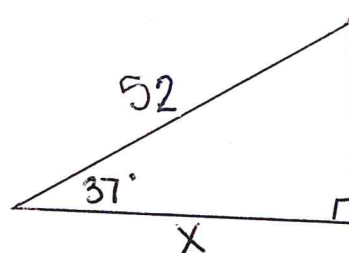
2.



3.



4. a) what 2 sides are involved in solving for x ?
 b) what trig function would be used to solve for x ?
 c) Solve for x



5. Find 1 positive and 1 negative coterminal angle for each

a) 47°

b) $\frac{2\pi}{9}$

6. Show all work

a) convert 70° to radians

b) convert $\frac{\pi}{10}$ to degrees

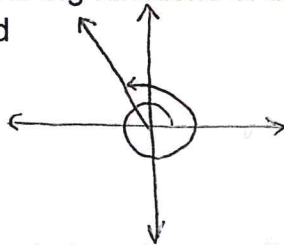
7. Sketch the angles given, then find the reference angle θ'

a) $\theta = -500^\circ$

b) $\theta = \frac{7\pi}{8}$

8. If the coordinate $(8, -5)$ is a point on the terminal side of an angle, what are the six trig functions?

9. Determine if the trig functions of the angle θ sketched below are positive, negative, zero or undefined

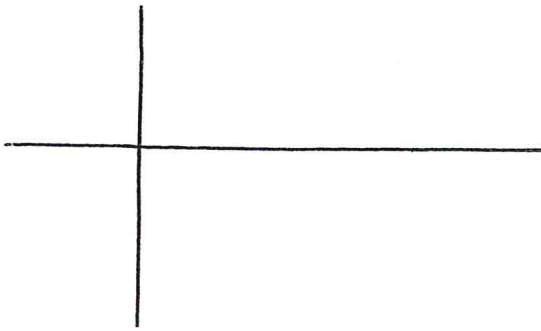


$\sin \theta$
 $\cos \theta$
 $\tan \theta$

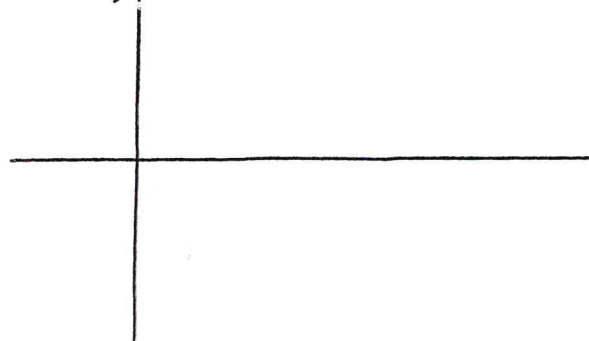
10. If $\sin \theta = \frac{\sqrt{2}}{2}$ what are the possible values for $\tan \theta$?

Graph. Label all points clearly

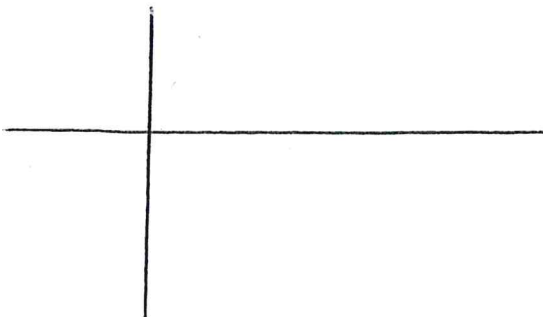
11. $y = 5\sin\frac{1}{2}x$



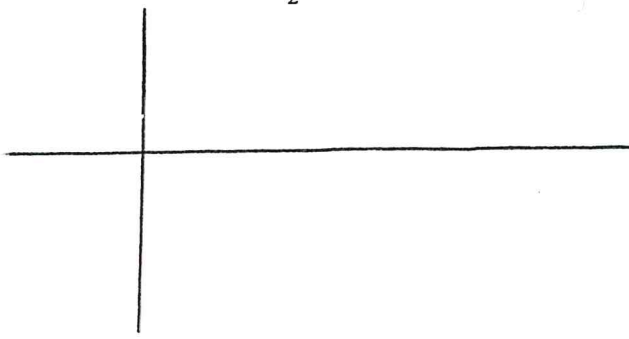
12. $y = \sin 2x - 1$



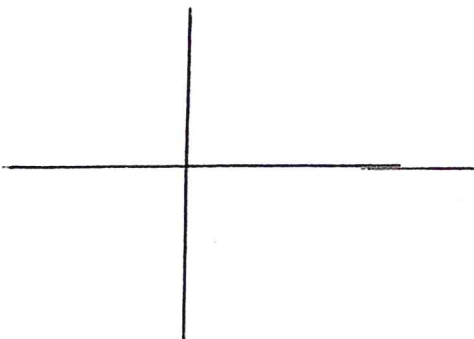
13. $y = -\cos\frac{1}{4}x$



14. $y = \cos(x + \frac{\pi}{2})$



15. $y = -2\tan x$



16. $y = \tan 3x$

