

Chapter 13 - BOARD PROBLEMS

① EVALUATE:

a) $\sin 30^\circ =$

b) $2 \sin 30^\circ =$

c) $\sin 2(30^\circ) =$

d) $\sin^2(30^\circ) =$

② FIND $\sin 2\theta$ and $\cos 2\theta$, WHEN $\sin \theta = \frac{1}{2}$ in the second quadrant.

$\sin 2\theta =$

$\cos 2\theta =$

ALGEBRA 2 REVIEW

① SOLVE SYSTEMS OF EQUATIONS.

$$-24 - 8x = 12y$$

$$1 + \frac{5}{9}y = -\frac{7}{18}x$$

② $-16y = 22 + 6x$
 $-11y - 4x = 15$

RE-write into vertex form AND GRAPH.

③ $x^2 + 3x + y - 28 = 0$

④ $-y^2 + x - 20y - 103 = 0$