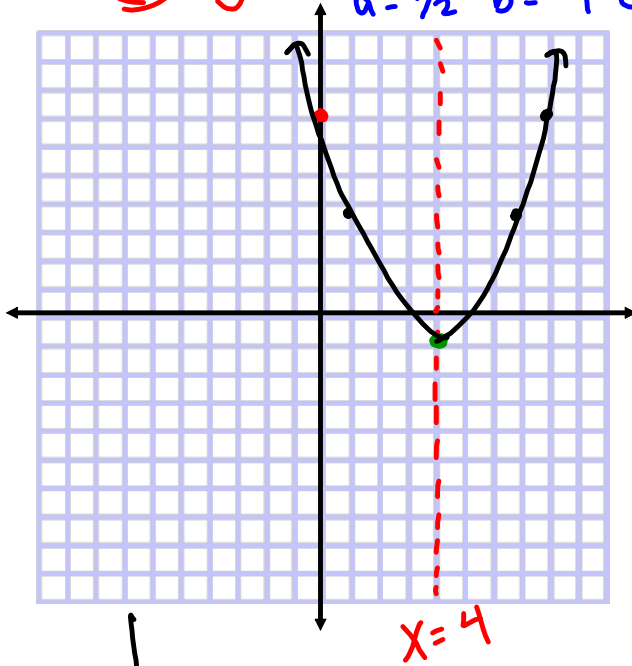


Module 9 HW is due today, make
sure it is completed...

We are working on our SM2 Final:
Study Guide today.

Unit 1-2 Review WKS
 ①⑦ $y = \frac{1}{2}x^2 - 4x + 7$
 $a = \frac{1}{2}$ $b = -4$ $c = 7$



Vertex: $(\frac{-b}{2a}, f(\frac{-b}{2a}))$

$x = \frac{-b}{2a}$ $(4, -1)$

$x = \frac{-(-4)}{2 \cdot \frac{1}{2}} = \frac{4}{1} = 4$

$y = f(4) = \frac{1}{2}(4)^2 - 4(4) + 7$
 $= 8 - 16 + 7$
 $= -8 + 7 = -1$

x	y
0	7
1	$3\frac{1}{2}$
2	
3	
4	1

$\rightarrow \frac{1}{2}(1)^2 - 4(1) + 7 = 3\frac{1}{2}$

①① $5x^2 - 9 = -61$
 $+9 \quad +9$

$\frac{5x^2}{5} = \frac{-52}{5}$

$\sqrt{x^2} = \sqrt{\frac{-52}{5}}$

$x = \pm i \sqrt{1} \cdot \frac{\sqrt{52}}{5}$

$x = \pm i \frac{2\sqrt{13}}{5}$

$x = \pm 2i \sqrt{\frac{13}{5}}$ or $\pm 2i \frac{\sqrt{13}}{\sqrt{5}}$

$\left\{ \begin{aligned} i &= \sqrt{-1} \\ i^2 &= -1 \end{aligned} \right\}$

Units 3-4 & 5-6 Review