Homework Review - 10.8

$$M = \frac{y_3 - y_1}{x_3 - x_1} = -2 - 7 = -3 = 3$$

$$W = \frac{3x - y_1}{x_3 - x_1} = \frac{-2 - 7}{-1 - 2} = \frac{-3}{-3} = 3$$

$$U = \frac{3x + b}{y = 3x + 1}$$

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$$U = \frac{3x + b}{y = 3x + 1}$$

$$T = \frac{y_{3} - y_{1}}{x_{2} - x_{1}} = \frac{3 - 2}{3 - 1} = \frac{1}{2}$$

$$y = \frac{1}{2}x + b$$

$$y = \frac{1}{2}x + \frac{3}{2}$$

$$G = 4(\frac{1}{4})^{x}$$

$$G = ab^{x}$$

$$G = ab^{$$

$$y = 4b^{\times}$$

$$1 = 4b$$

$$1 = 4b$$

$$4b = 4$$

$$4b = 4$$

exponential

$$y = -3x^2 - 2x - 5$$
 (graph)

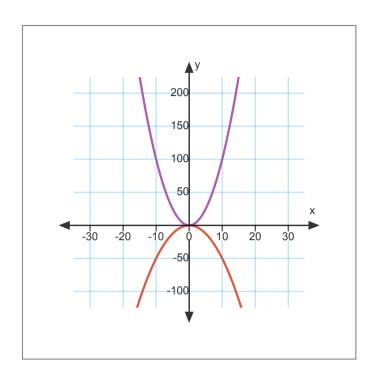
Review Questions:

p. 696, 5-19 odd, 25-29 odd, 30, 37, 38

p. 704, 1, 3

$$y = x^2$$

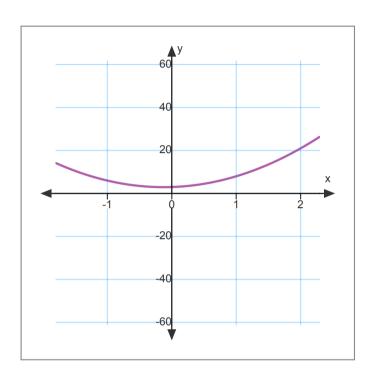
$$y = \frac{-1}{2}x^2$$



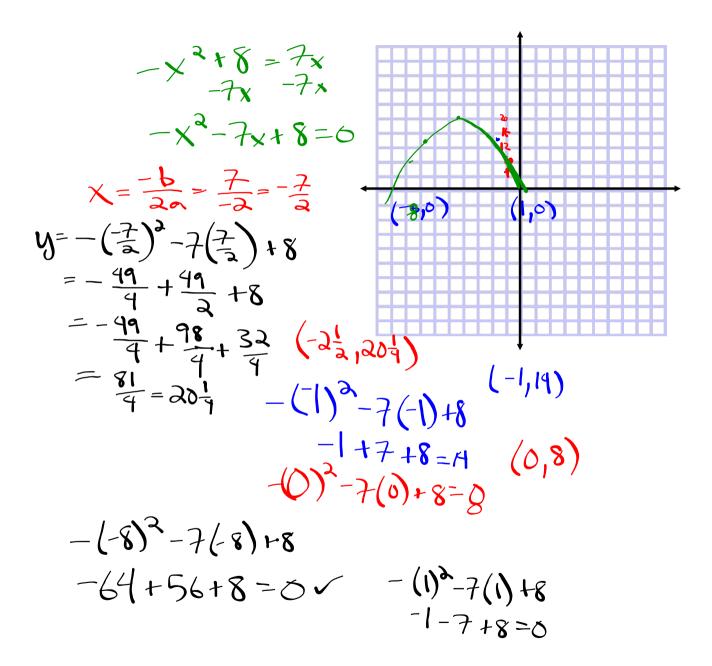
$$y = 4x^2 + x + 3$$

$$y = 4x^{2} + x + 3$$

$$\begin{pmatrix} -\frac{1}{8}, \frac{47}{48} \end{pmatrix}$$



$$3x^{2}+7=4$$
 $-7-7$
 $3x^{2}=-3$
 $1x^{2}=-1$
 $1x^{2}=-1$
 $1x^{2}=-1$



$$3(W-4)^{2} = 5$$

$$(W-4)^{2} = \frac{5}{3}$$

$$(W-4)^{2} = \frac{5}{3}$$

$$W-4 = \sqrt{\frac{5}{3}}$$

$$W-4 = -1.29$$

$$W=5.29$$

$$W=2.71$$

Optional Study Questions:

p. 701, 1-5 odd, 11-23 odd, 24, p. 705 9, 11