Warm Up (in your)

1) Complete the square to convert

$$y = 3x^2 + 2x + 10$$
 to graphing

(2) Youll see in a bit

1) Complete the square to convert

$$y = 3x^2 + 2x + 10$$
 to graphing

 $\frac{y}{3} + \frac{1}{9} = (x^2 + \frac{2x}{3} + \frac{1}{9}) + \frac{10}{3}$
 $\frac{y}{3} + \frac{1}{9} = (x^2 + \frac{2x}{3} + \frac{1}{9}) + \frac{10}{3}$
 $\frac{y}{3} + \frac{1}{9} = (x + \frac{1}{3})^3 + \frac{10}{3}$
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j

$$2\left(\left|-\frac{x}{3}\right|\right) = \frac{x}{7} + 3$$

$$2 - \frac{2x}{3} = \frac{x}{7} + \frac{3}{3}$$

$$-\frac{2\times}{5} = \frac{\times}{7} + 1$$

$$\frac{-2x(2)7}{3} = \frac{x(21)^{3}+1(21)}{x(1)}$$

$$-|4x| = 3x + 2|$$

$$O = 1/1 \times +21$$

$$-21 = 11x$$

$$\left(\chi = -\frac{21}{11}\right)$$

$$2\left(\left|-\frac{x}{3}\right\rangle\right) = \frac{x}{7} + 3$$



Per. 1 Agenda Today



- 1. Check HW
- 2. The last 2 new functions
- 3. LCQ

HW Questions

$$y = (x)^{2}$$

$$y = a(x-5)^{2} + 8$$

$$4 = a(10-5)^{2} + 8$$

$$4 = 25a + 8$$

$$-4 = 75q$$

$$a = -\frac{1}{2}s$$

Years 1989

$$100^{\circ} + 3.17^{\circ} = 103.17^{\circ}$$

 0
 $y = (1.665 \times 10^{2})(1.0317)^{29} \approx 0$
 $y = (1.665 \times 10^{2})(1.0317)^{4}$

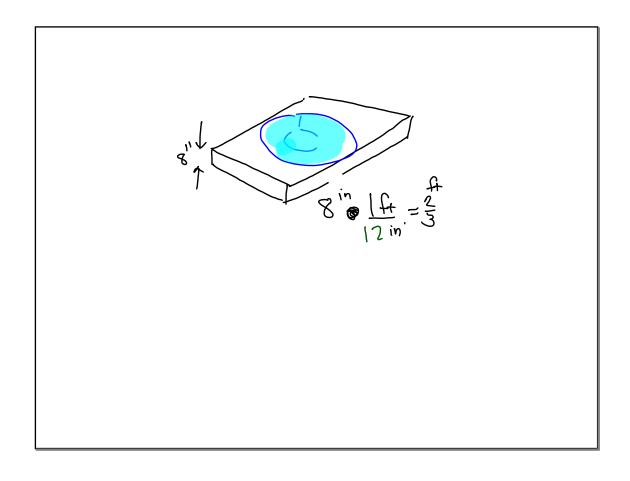
$$\frac{85b}{a}$$
 $\frac{\times}{12250(.89)}$ $\frac{\times}{90ar}$ $\frac{\times}{12}$ $\frac{\times}{12}$

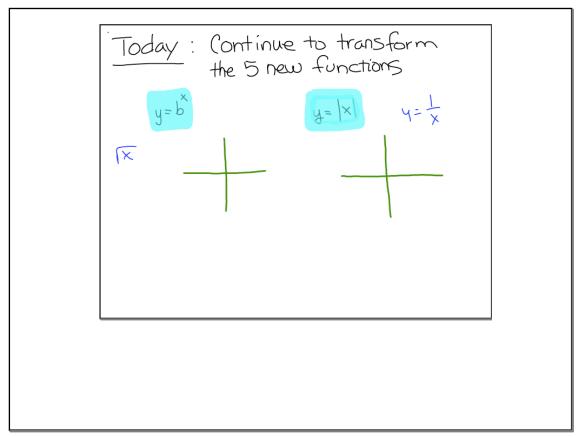
Soc
$$\left(\begin{array}{c} \begin{array}{c} 3 \\ \end{array} \right) \left(\begin{array}{c} -3 \\ \end{array} \right)$$

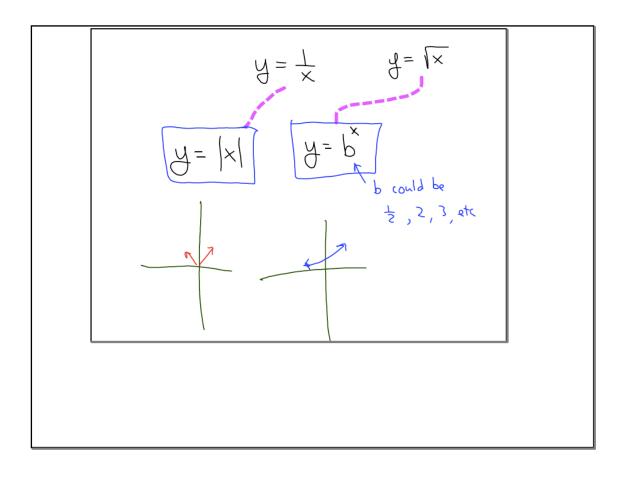
SURFACE ARTA =
$$\frac{50}{\text{Area}}$$
 - $\frac{70}{\text{Area}}$ - $\frac{12}{\text{Area}}$ concrete only) = $\frac{30}{50}$ - $\frac{17}{15}$ = $\frac{793.14}{50}$ + $\frac{2}{50}$

January 24, 2019

Volume of concrete
$$\frac{2}{3}$$
 $\frac{1}{793.14}$ ft $\frac{2}{3}$ $\frac{2}{3}$ ft = 528.76 ft $\frac{3}{4}$ $\frac{4}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ ft = $\frac{5}{28.76}$ ft $\frac{3}{5}$ $\frac{4}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ $\frac{4}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ $\frac{4}{5}$



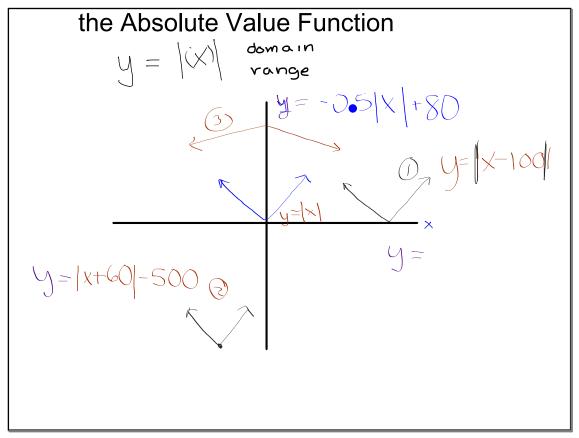


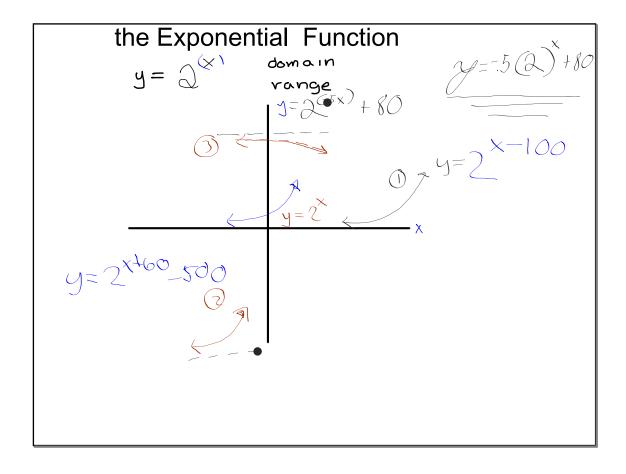


- a) sketch your parent function
- b) Write an equation and make a new quick sketch for each of the following:
 - i) horizontal shift 100 units to the right
 - ii) horizontal shift left 60 units, down 500
 - (iii) Vertical compression by 0.5 and a flip upside down.

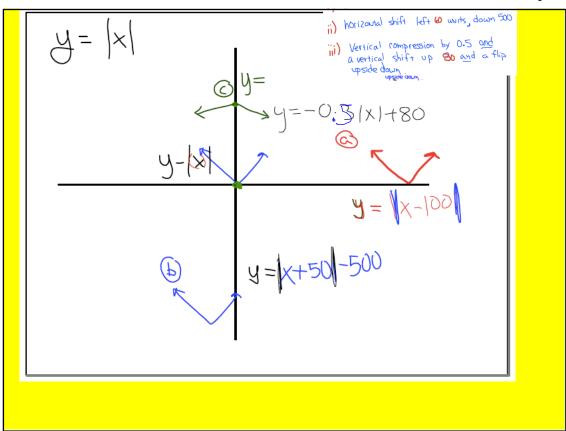
each of the following:

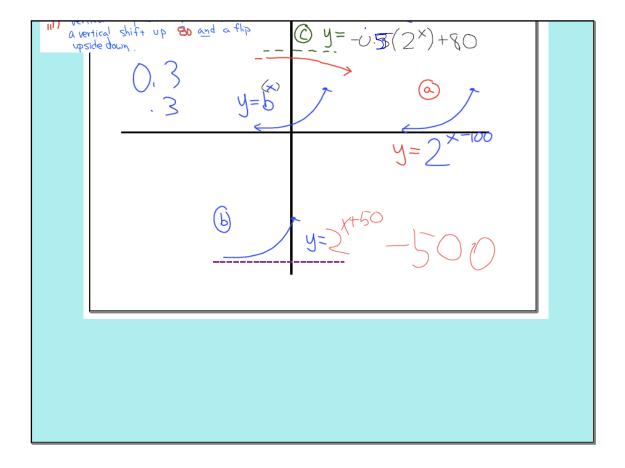
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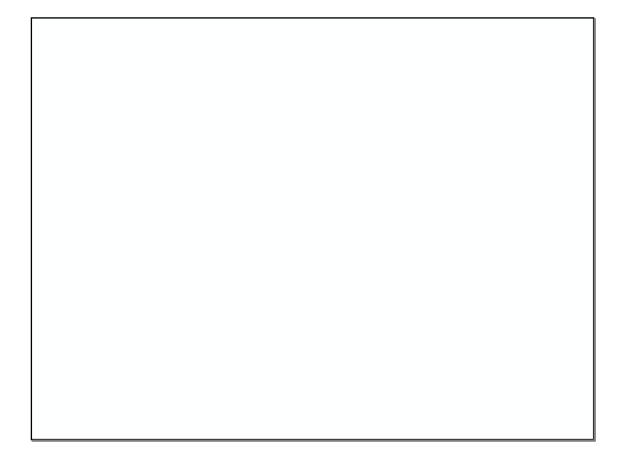
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Homework Sheet

Assignment 2.2.1 day 2



January 24, 201