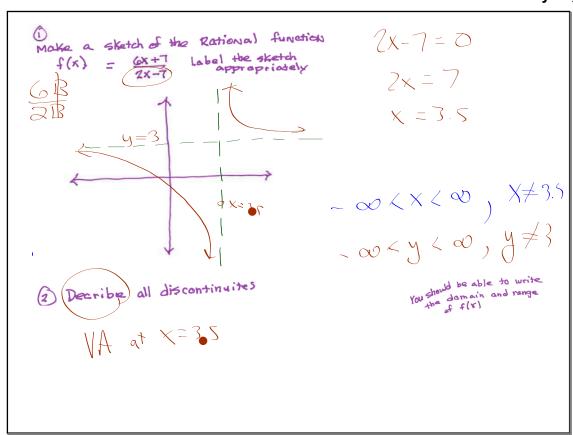
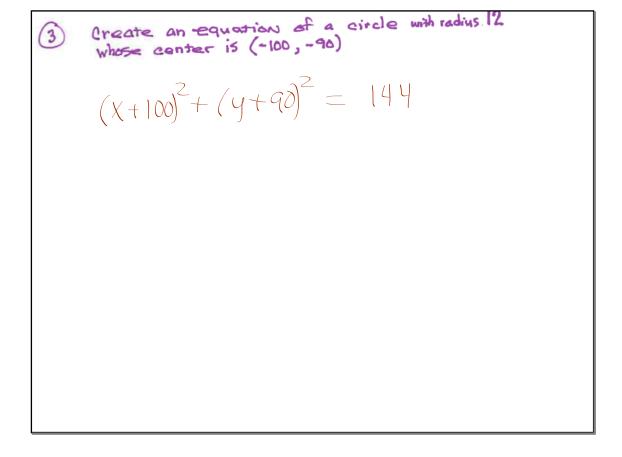


Check Work from HW

(Any questions?)





February 14, 2019

$$\frac{(4)}{x^{2}-8y} = 12$$

$$\frac{x^{2}-12x}{y^{2}-8y} = 12$$

$$\frac{x^{2}-12x+36}{x^{2}-12x+36} = \frac{12+36+116}{x^{2}-12}$$

$$\frac{(4)}{x^{2}-8y} = 12$$

$$\frac{(4)}{x^{2}-8y} = 12$$

$$\frac{(4)}{x^{2}-12x+36} = \frac{12+36+116}{x^{2}-12x} = \frac{12+36+116}{x^{$$

5 a. How do I know if an equation is quadratic?

Circle any from
$$10 = 3x - 7$$

$$6 = x^2 - 7x + 2$$

$$5x^2 - 8x + 100 = 7$$

Not
$$3x^2 - x + 1$$

$$(x-2)^2 = 17$$

$$x^2 - 1 = 0$$

5b) what are the two ways to solve a quadratic equation?

- 1) FACTOR+ZPP
- 2) Quadratic Formula

huh? 3)

g

$$\frac{4a-4b}{(a+1)^2} = \frac{6b-6a}{a^2-1} + \text{simple}$$

$$\frac{4(a-b)}{(a+1)^2} = \frac{6b-6a}{a^2-1} + \text{simple}$$

$$\frac{4(a-b)}{(a+1)^2} = \frac{6b-6a}{a^2-1} + \text{simple}$$

$$\frac{4(a-b)}{(a+1)^2} = \frac{6b-6a}{a^2-1} + \text{simple}$$

$$\frac{4a-4b}{a^2-1} = \frac{4hings}{4a}$$

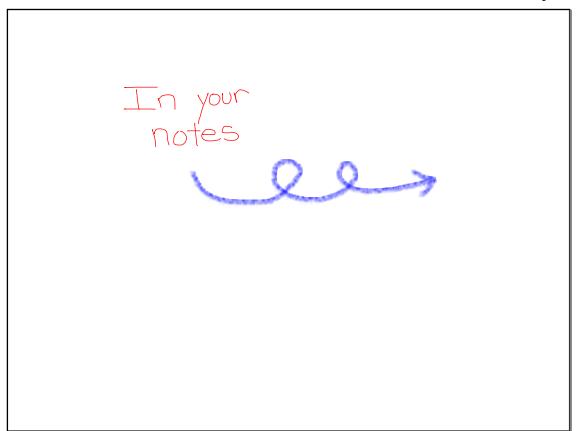
$$\frac{4a-$$

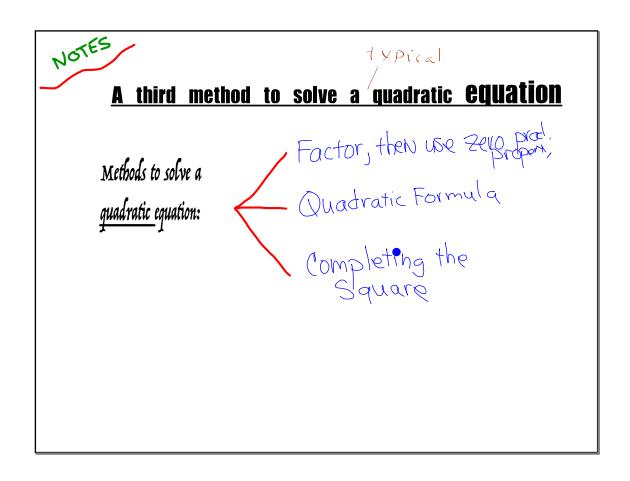
HW

(106) Lexington HS growth rate 4.7%

3 years ago there were 1500 students

- a) How many are there now?
- b) How many were there 5 years ago?
  - () in nyears?





John Use completing the square to viole a quadratic equation

Simplify complex
Algebraic fractions

Rewrite equation
focusing on first
two terms

$$x^2 - 4x = 5$$

$$x^2 - 4x + 4 = 5 + 4$$

$$(x-2)^2 = 9$$

$$x-7 = 3 + 2 + 7$$

$$x = 5$$
Rewrite equation
focusing on first
two terms

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

$$(x-2)^2 = 4$$

$$x = 5$$

$$x = 5$$

$$x = 5$$

$$x = 5$$

Another: 
$$(b)^{2}$$
  $(b)^{2}$   $(b)^{2}$   $(b)^{2}$   $(b)^{2}$   $(b)^{2}$   $(b)^{2}$   $(b)^{2}$   $(b)^{2}$   $(b)^{2}$   $(c)^{2}$   $(c)^{2}$ 

$$3n^2 - 18n + 20 = 0$$

Thust be a 1

Chivide all terms by 3

 $n^2 - 6n + 20 = 0$ 

$$n^{2} - 6n = -\frac{20}{3}$$

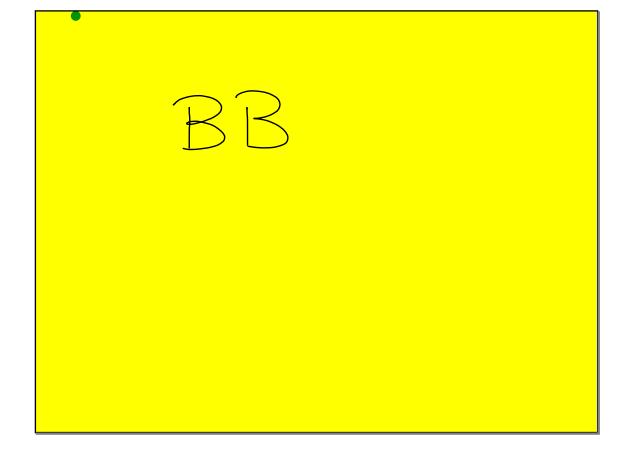
$$n^{2} - 6n + 9 = -\frac{20}{3} + \frac{9(3)}{1(3)}$$

$$n^{2} - 6n + 9 = -\frac{20}{3} + 9$$

$$(n-3)^{3} = \sqrt{\frac{2}{3}}$$

$$n-3 = \pm \sqrt{\frac{2}{3}}$$

$$n-3 = \sqrt{\frac{2}{3}}$$



$$\frac{5}{x} - \frac{7(x)}{x}$$

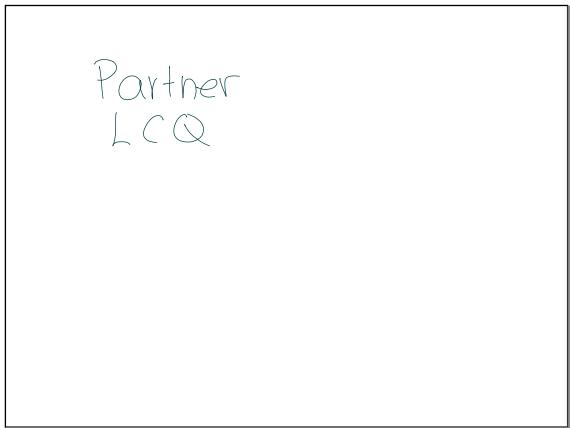
$$\frac{5-2x}{5}$$

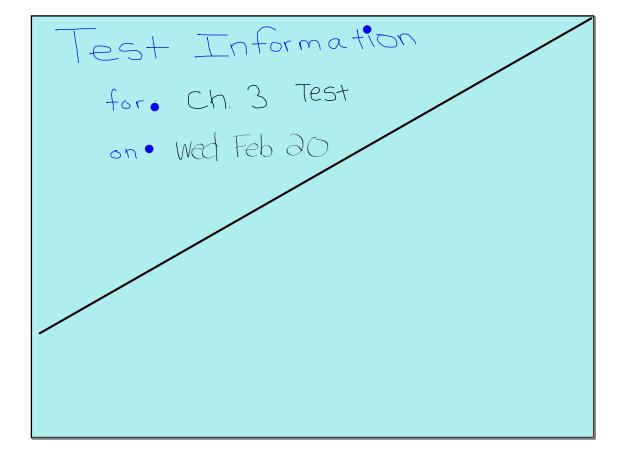
$$\frac{5-2x}{5}$$

$$\frac{5-2x}{5}$$

$$\frac{5-2x}{5}$$

$$\frac{5}{5}$$





Assign ment 3 .... 113, 116 to 118 .... do 119 with your GDC

$$V = Tr^2$$

$$SA = 2\pi r^2 + 2\pi rh$$

$$\frac{V}{SA} = \frac{\pi r^2 h}{2\pi r^2 + 2\pi r h}$$