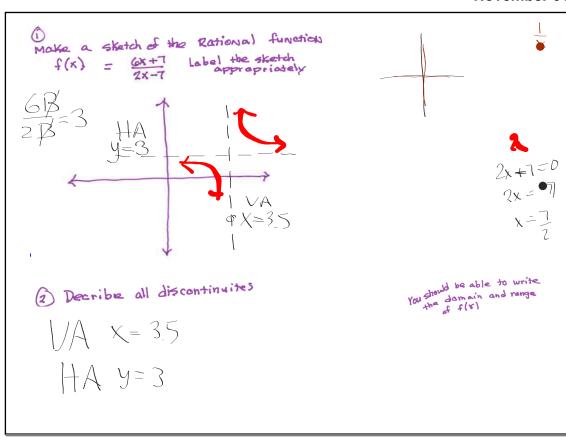


Check Work from HW (Any questions?)



13 Create an equation of a circle with radius 12.

Whose center is
$$(-100, -90)$$
 $(x)^2 + (y)^2 = 144$
 $(x+100)^2 + (y+90)^2 = (44)$

$$(4) \quad \chi^{2} - 8y - 12x + y^{2} = 12$$

$$\chi^{2} - 12x + 36 \quad y^{2} - 8y + 16 \quad = 12 + 36 + 16$$

$$\chi^{2} - 12x + 36 \quad y^{2} - 8y + 16 \quad = 12 + 36 + 16$$

$$(x - 6)^{2} + (y - 4)^{2} = 64$$

$$(x - 6)^{2} + (y - 4)^{2} = 64$$

$$center(6, 4) \quad \gamma = 8$$

$$radius \quad 8$$

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

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

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

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

$$3x^2 - x + 1$$

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

$$x^2 - 1 = 0$$

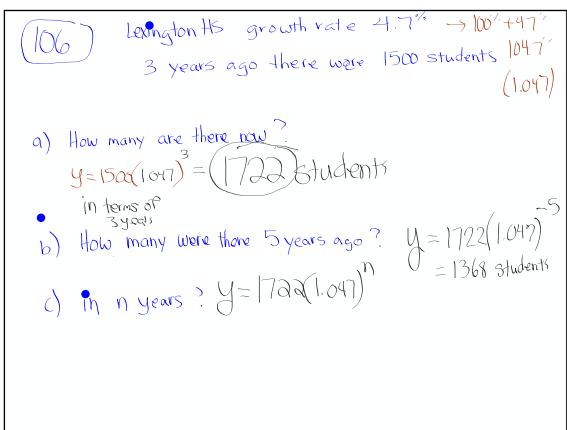
- to solve a quadratic equation?
 - 1) Quadratic Formula as long as it is set equal to
 - 2) Factor > 2PP

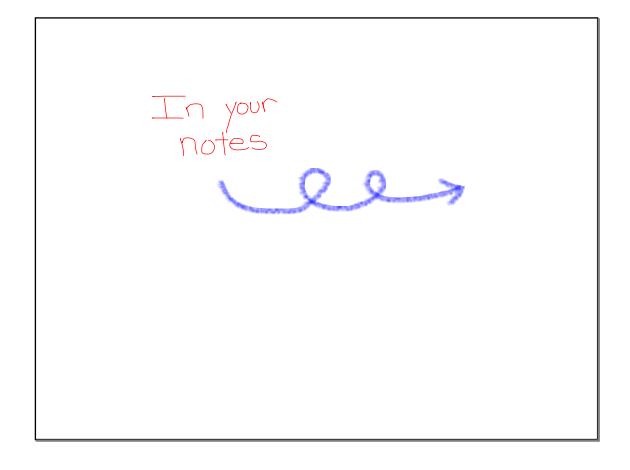
huh? 3)

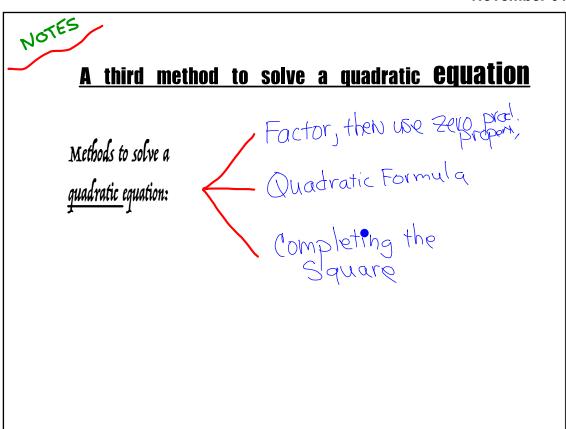
$$\frac{(a+1)^2}{(a+1)^2} = \frac{(a+1)^2}{a^2-1}$$

2 x(ab) (afr)(a-1) (atr)(a+1) ((b-a)

$$\frac{3(\hat{a}+1)}{5(\hat{a}+1)}$$





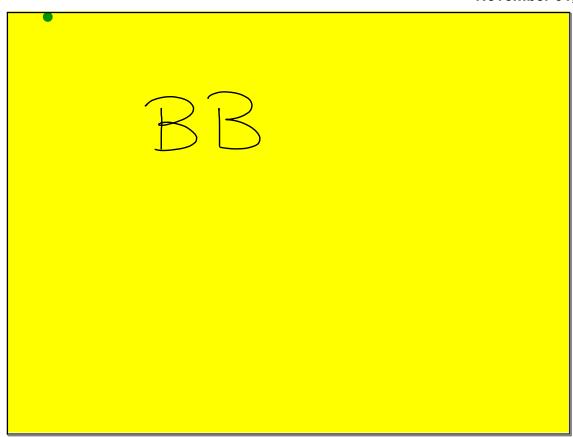


John Use completing the square to V solve a quadratic equation Simplify complex Algebraic fractions Something we've never done before:

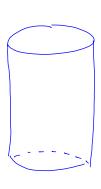
Solve the equation $X^2 - 4x - 5 = 0$ Using the idea of completing the square concept.

Another •

$$\chi^{2} = 10 - 12x$$
 $\chi^{2} + 12x - 10 = 0$
 $\chi^{2} + 12x + 36 = 10 + 36$
 $\chi(x+6)^{2} = 46$
 $\chi + 6 = 46$



Partner LCQ



$$V = Tr^2$$

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