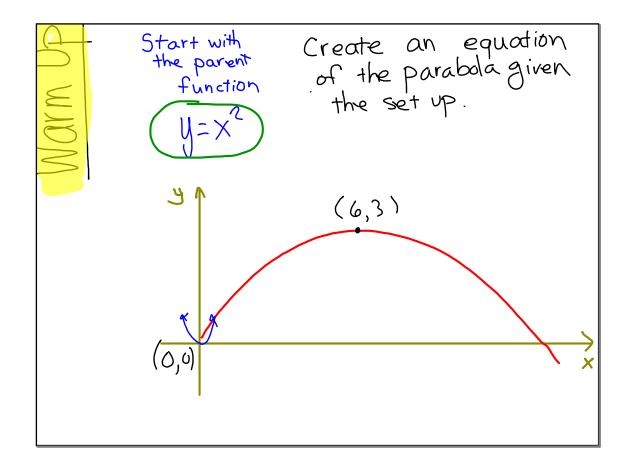
Note:

At the end of the term, I will be dropping some LCQ's (up to one third). As of last week one of those have already been dropped. It should show up on Synergy

a little letter "d" next to it.

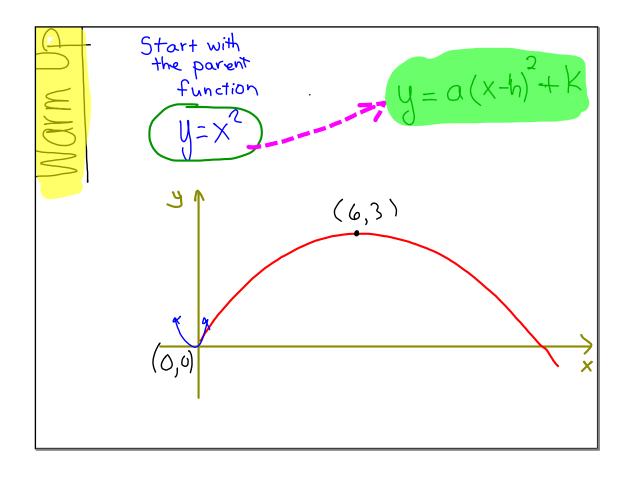
HW

it is dynamic



As you know I will be dropping some of your LCQ's (up to one third of them)

One of them as already been dropped.



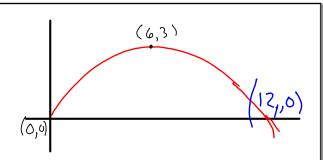
$$y = X$$
 $y = a(x-h)^{2} + K$
 $y = a(x-6)^{2} + 3$
 $0 = a(0-6)^{2} + 3$

$$0 = \alpha(0-6)^{+3}$$

 $0 = 36\alpha + 3$

$$\alpha = \frac{36}{36}$$

$$0 = \frac{15}{15}$$



$$(\cdot \cdot \cdot \cdot)^{2} = \frac{-1}{12} (((-6)^{2} + 3)$$

Questions on HW

$$y = 2(x+3)^{2} - 5 \qquad y = 14x + 17$$

$$2(x+3)(x+3) - 5 = 14x + 17$$

$$2(x+3)(x+3) = 14x + 22$$

$$2x+6)(x+3) = 14x + 22$$

$$2x^{2} + 6x + 6x + 18 = 14x + 22$$

$$2x^{2} - 2x - 1 = 0$$

$$2(x+3)(x+3) = 14x + 22$$

$$2x^{2} + 6x + 6x + 18 = 14x + 22$$

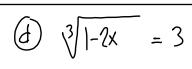
(a)
$$y=3(x-2)^2+3$$
 $y=6x-12$

$$41$$
a) $3(y+1)^2-5=43$

$$\boxed{b} \sqrt{1-4x} = 10$$

$$\bigcirc \frac{6y-1}{y} - 3 = 2$$

$$\frac{6y-1}{y} = 5$$



(a)
$$\pm(n) = 1, 4, 7, 10$$

Explicit $\pm(n) =$ or $\pm(n) =$
Recursive $\pm(n+1) =$

Explicit
$$t(n) = 3$$

$$t(n+1) = \frac{3}{2}t_n$$
multiplier: $\frac{1}{2}$

$$t(n+1) = \frac{3}{2}t_n$$

Arithmetic

$$\frac{n + t(n)}{0}$$
 $\frac{1}{2}$
 $\frac{3}{4}$

Explicit: $t(n)$

Recursive: $\begin{cases} t(1) = \\ t(n+1) = \end{cases}$

Geometric

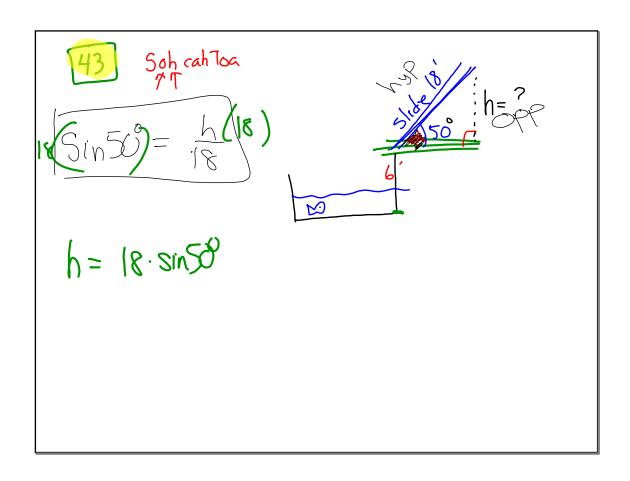
$$\frac{n}{2} + \frac{t(n)}{7.2}$$
 $\frac{1}{2} + \frac{7.2}{3} + \frac{8.64}{4}$

$$\frac{1}{4} + \frac{1}{8} + \frac{1}{8}$$

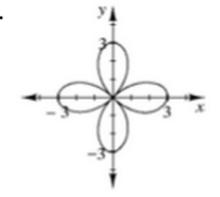
(e) If arithmetic sequence
$$\Rightarrow t(\tau) = 1056$$

$$t(12) = 116$$

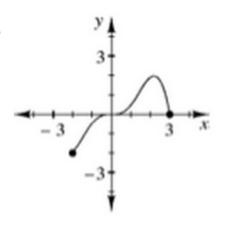
$$t(4) = ?$$



a.



b.



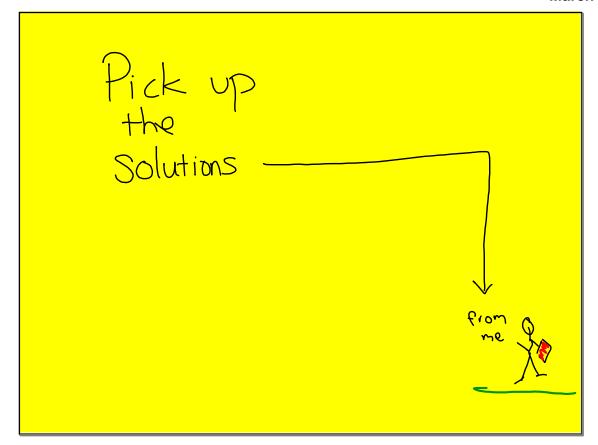
$$2^{x+y} = 16$$

$$Q^{1X+9} = \frac{1}{8}$$

File Solve system
$$2^{x+y} = 16$$

$$2^{(x+y)} = 16$$

$$2^{(x+y)} = 16$$



Je problem solving skills to write equations and find solutions to applications.

As you work on the three problems to day, be thinking about

How can we model it? What does the solution tell us? Are there any new Strategies that might be useful.

- problems
- all different
- Goal: Set up and solve all 3

Persistence

Work with a cooperative Spirit on

How Tall is Harold?

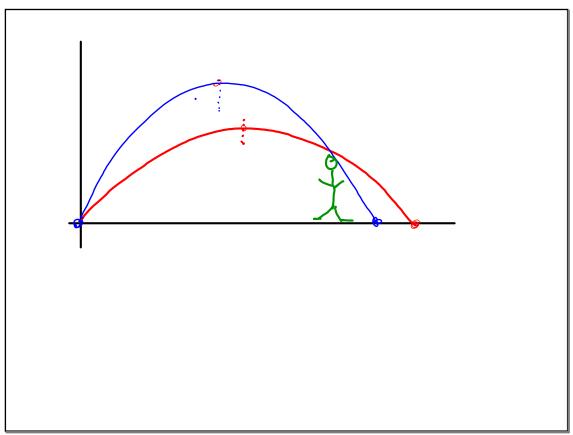
4-47

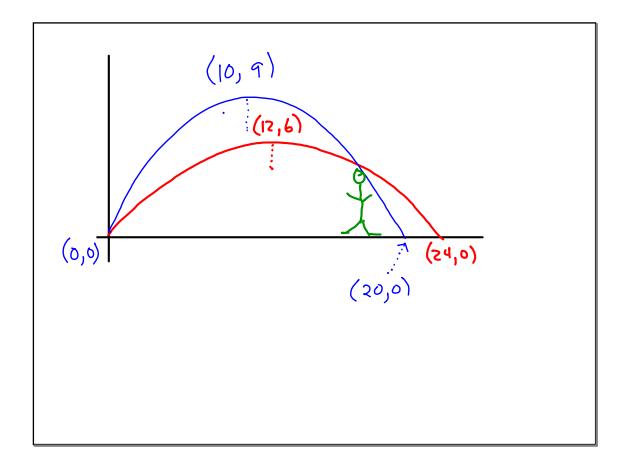
b.165

See if, as a class, we can come up with a good sketch.

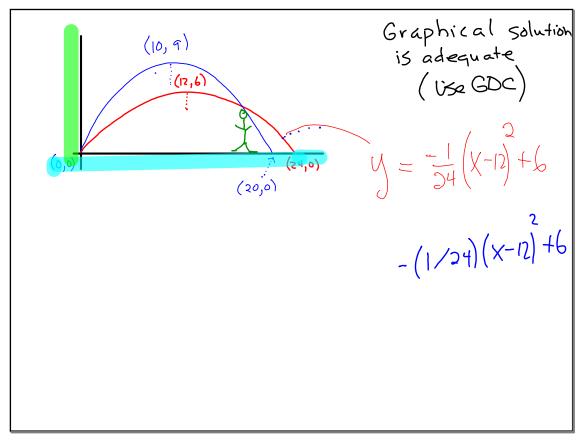
[Start with you]
than group

March 03, 2016





March 03, 2016



47) define variables

i.e.
$$a = \frac{\cos t}{\cos t}$$
 of chocolote truffles
 $b = \cos t$ of caramel tartles

TOTALS GIVEN

5x+2y = 4.25 2x + 8y = 3.50

$$= 3.50$$

= COST of caramel = cost of truffler

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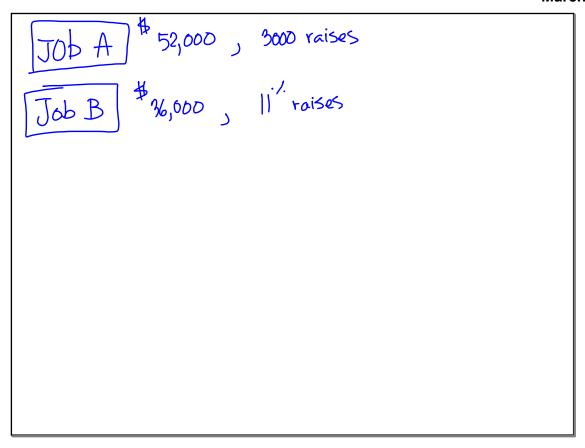
Have me check your group's answer before moving on to

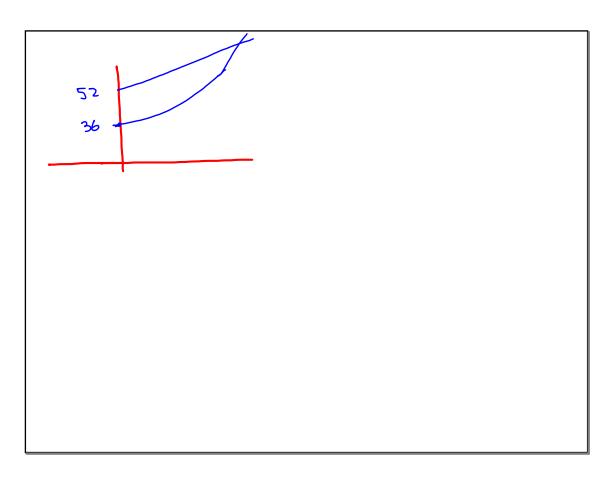
When you got an answer, ask yourself

Ts my answer really my answer?

r

March 03, 2016





r

$$y = 52000 \times + 3000$$

$$y = 36000 (1.11)^{\times}$$

Assignment

March 03, 2016