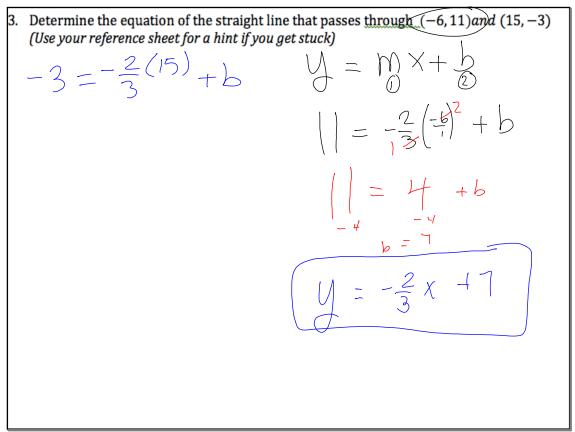


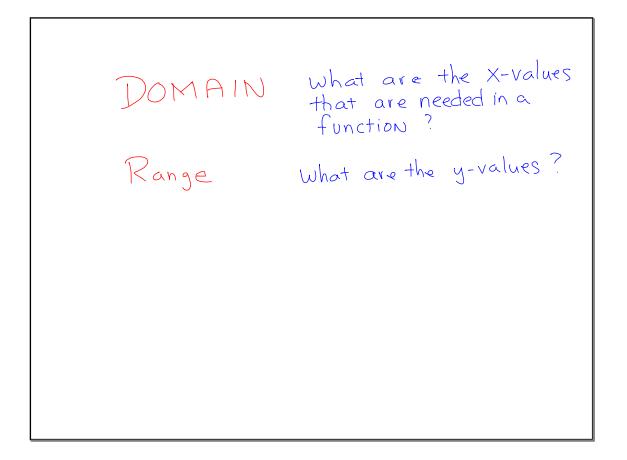
1. **Factor** the following two expressions. In case you forgot what factoring means.... It means try to create two or more factors that are multiplied together. The final expression must be equal to the original.

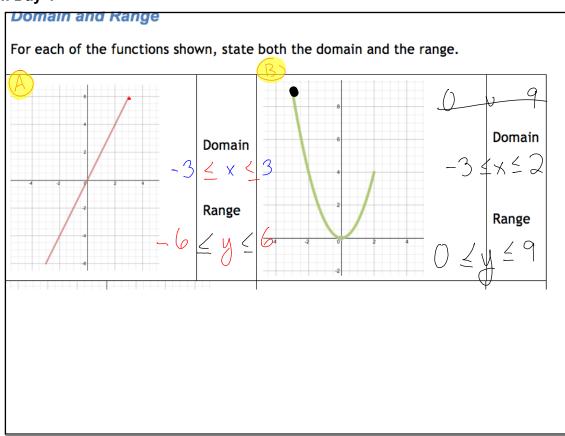
a) <u>5n - 30</u>	b) $8x^4 - 2x^2$	c) $n^2 - 4$
5(n - 6)	$2 \times (4 \times -1)$	(n + 2)(n - 2)

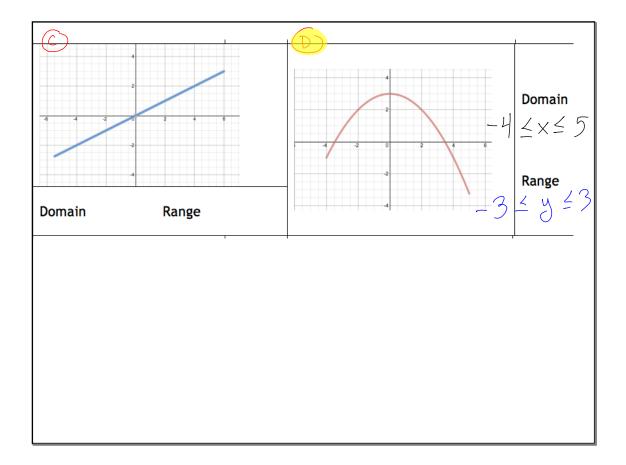
2. Factor the following quadratic polynomial expression into two binomial factors. *The box/diamond method is one way to do this.* 

 $12x^2 - 8x - 15$ 

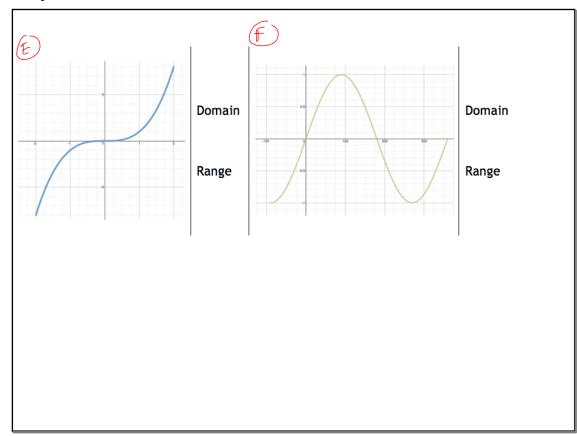








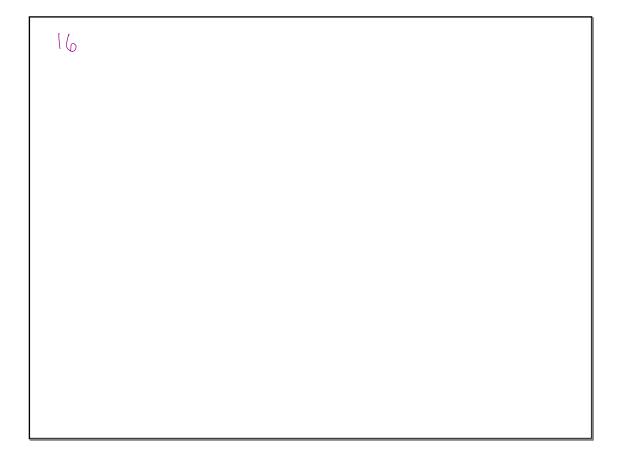
Notes from Day 4

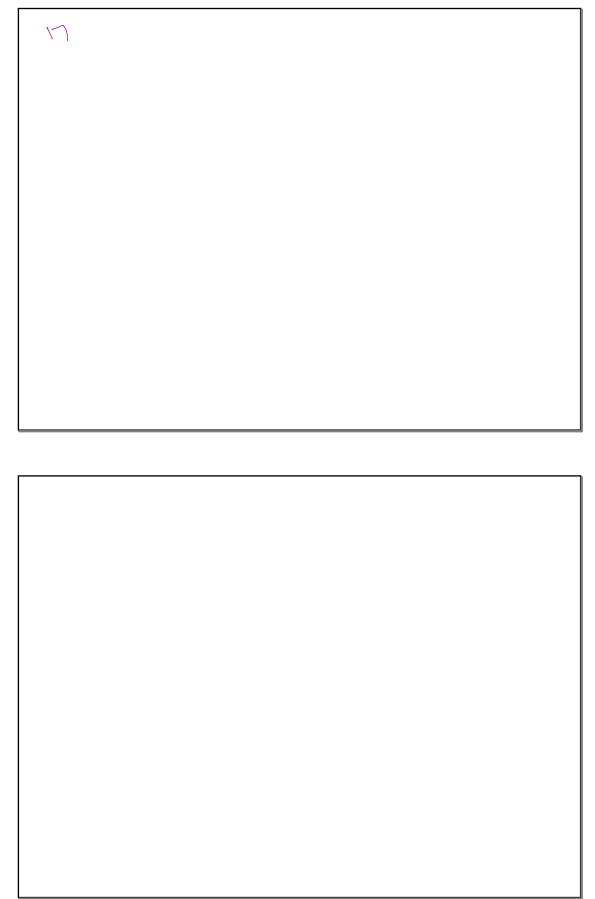


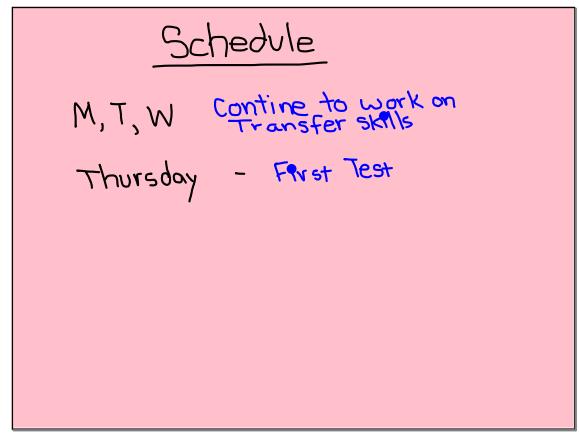
HW Questions ? ٩

 $\frac{10}{12x^2 - 8x + 20}$ Factor out what is  $\frac{4(3x^2 - 2x + 5)}{(3x^2 - 2x + 5)}$ 

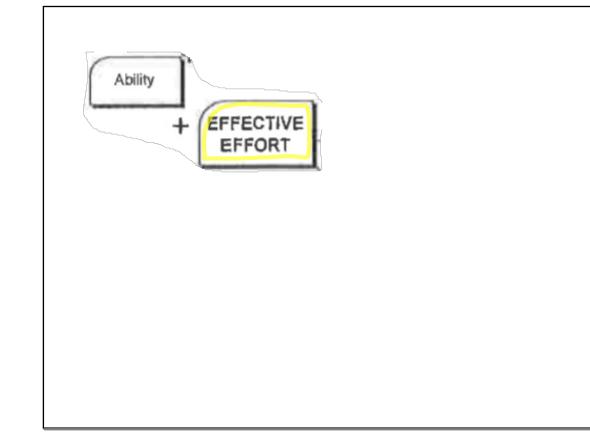
 $9k^{2} - 1$ (3k + 1)(3k - 1)

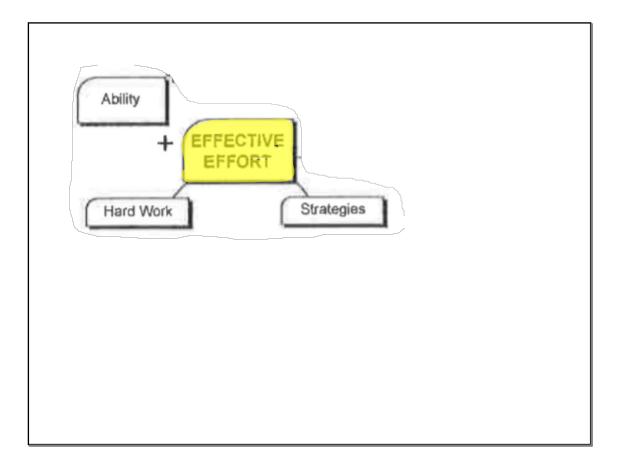


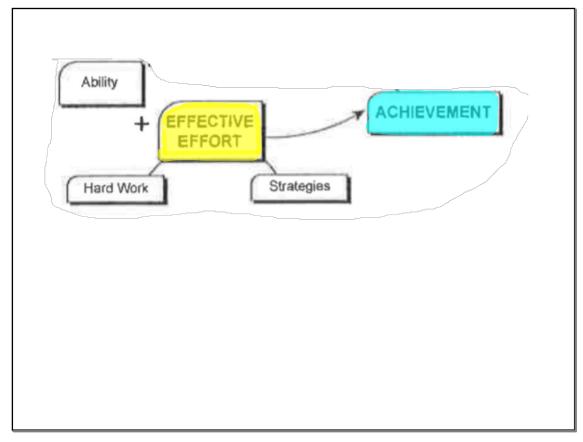


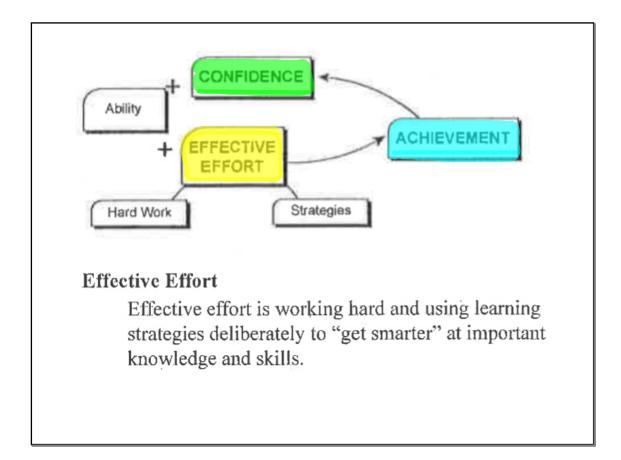


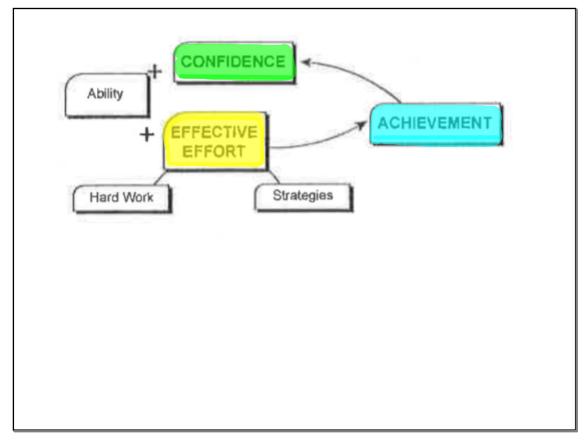
Ability		

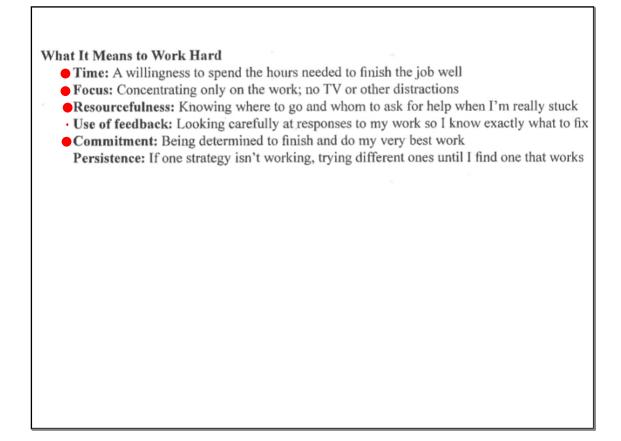




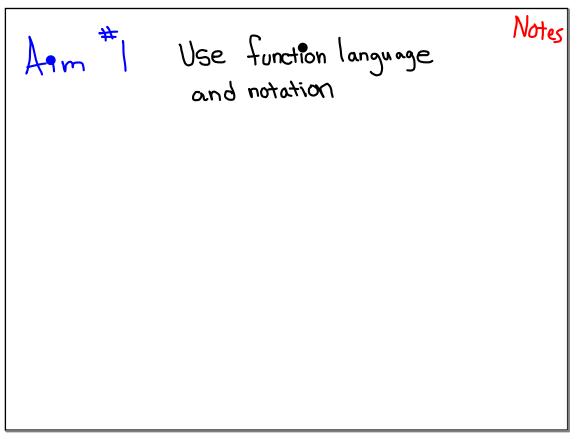


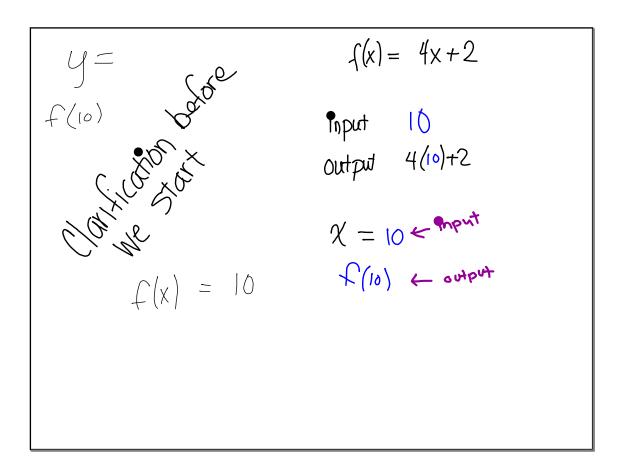






Notes from Day 4





$$y = 2x - 7 \quad y = -3n + 10 \quad y = 2x^{2} - 1$$

$$f(x) = 2x - 7 \quad g(n) = -3n + 10 \quad h(x) = 2x^{2} - 1$$

$$f(-3) = 2(-3)^{-7} = -6 - 7 = -13$$

$$g(-7) = -6 - 7 = -13$$

$$g(-7) = -6 - 7 = -13$$

$$F(-3)^{-7} = -6 - 7 = -13$$

find x 
$$f(x) = 5$$
  
 $f(x) = 2x-7$   
 $f(x) = 2x-7$   

Evaluating Functions on graphing calculators

$$f(x) = x^{2} - 4x + 4$$

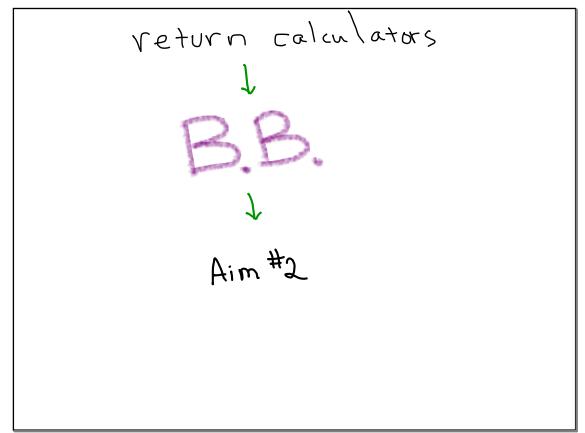
$$\frac{x \quad f(x)}{0}$$

$$\frac{x}{1}$$

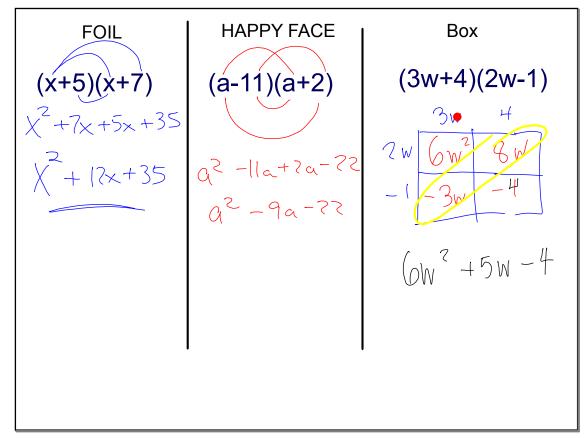
$$\frac{2.3}{3}$$

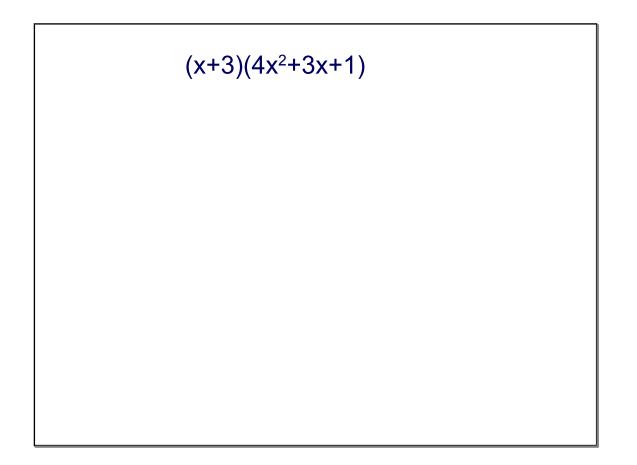
$$\frac{3}{4}$$

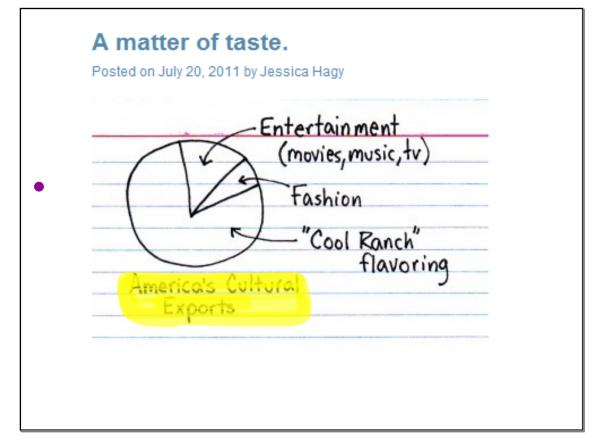
$$\frac{12}{-5}$$



Aim # 2 Multiply (simplify) Binomial products

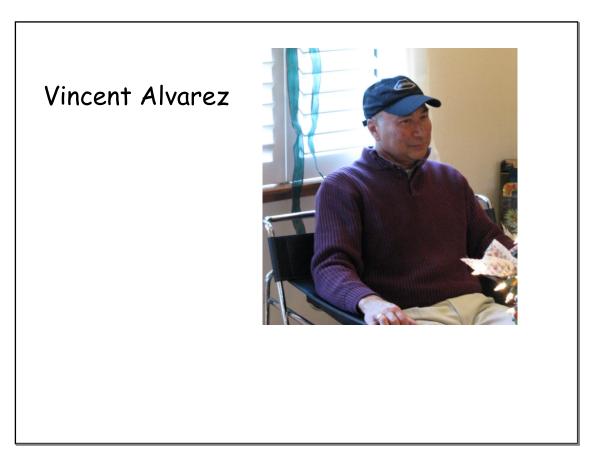




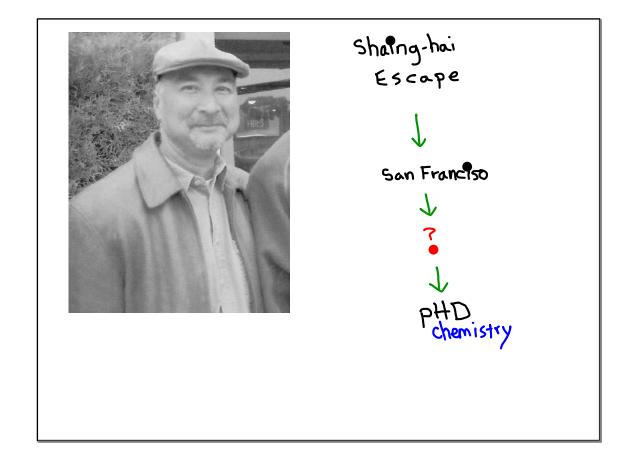












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Notes from Day 4
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