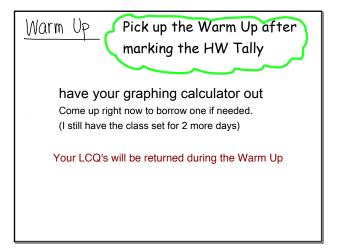
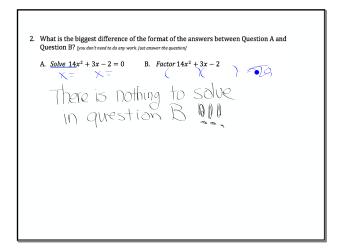
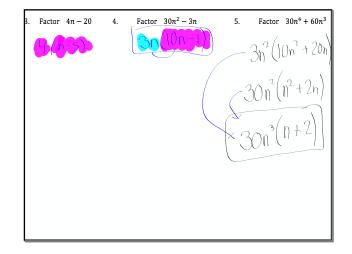
## Notes on 1.1.4 Day 1

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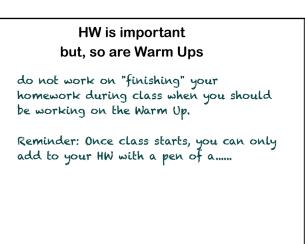


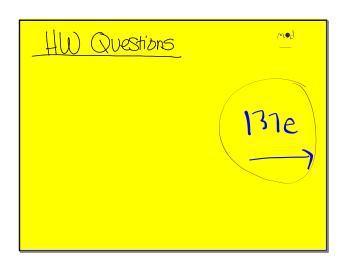
domain: $-4 \le x \le -1$ range: $2 \le y \le 6$		



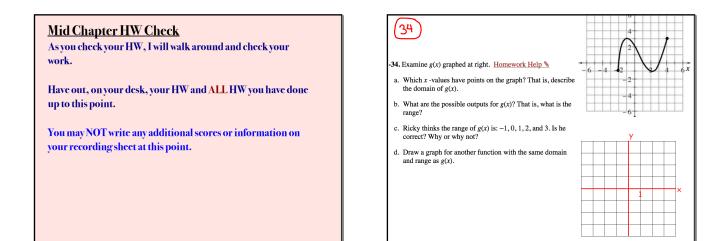


x = -b	$\pm \sqrt{b^2 - 4a}$	C			
	2a				
This formula has a name. It is called: Quadratic For mula					
Examples of equations it can solve: $5.2x^3 + 7.7x^8 = 0$					
$x^2 + 7x - 8 = 0$	$0 = -4n^2 + 13n + 80$	$8 + 2t^2 + 7t = 0$			
Q = 5.2	( = -4	$\alpha = \frac{2}{2}$			
$\sim$	- 12	h= 7			
6= 707	b =  3	U			
~ ~ ~	0 1	$C = \mathcal{C}$			
6= 707	c = 80	0			

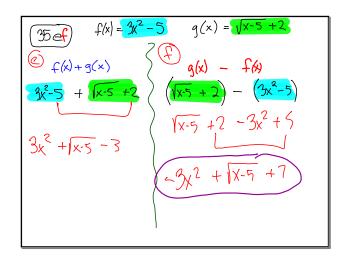


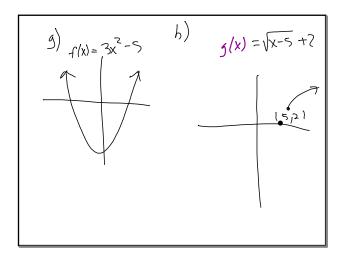


137e) 
$$\chi = (\gamma-5)^2$$
  
 $(\gamma-5)^2 = \times$   
 $\gamma-5 = \pm \sqrt{\times}$   
 $\gamma = \pm \sqrt{\times}$   
 $\gamma = \pm \sqrt{\times}$ 



$$\begin{array}{c} 35a \quad f(x) = 3x^2 - 5 \quad g(x) = \sqrt{x - 5} + 2 \\ a) \quad f(5) = \quad 3(5)^2 - 5 \quad = \quad 70 \\ b) \quad g(5) = \end{array}$$



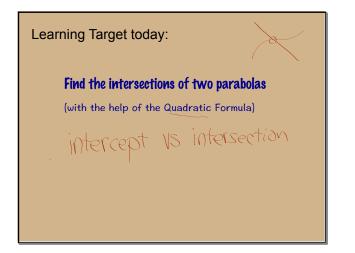


9) domain  

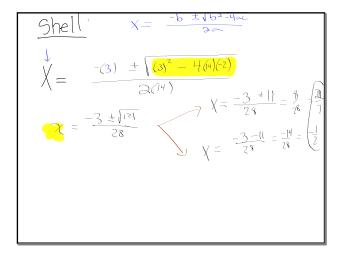
$$-\infty < x \in \infty$$
  
 $range$   
 $y \ge -5$   
 $-5 \le y < \infty$ 

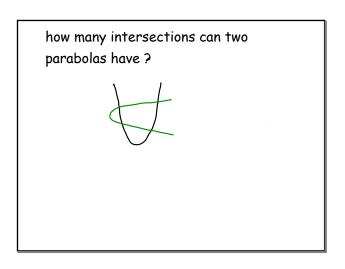
$$\begin{array}{ccc} & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\$$

$$\begin{array}{ccc} (37e) & \chi = (y-5)^2 \\ (y-5)^2 = & \chi \\ & \sqrt{1} \\ y-5 = \frac{1}{7}\sqrt{\chi} \\ +5 & \frac{1}{7}5 \\ & y = 5\frac{1}{7}\sqrt{\chi} \\ & y = 5\frac{1}{7}\sqrt{\chi} \\ & y = 5\frac{1}{7}\sqrt{\chi} \\ & \frac{1}{7}\sqrt{\chi} + 5 \end{array}$$



$$\begin{array}{rcl}
 & |4x^{2} - 2 &= -3x \\
 & \text{Solve the} \\
 & \text{Quadratic} \\
 & \text{Quadratic} \\
 & \text{Formula} \\
 & \text{If } \chi^{2} + 3\chi - 2 = 0 \\
 & \text{A} = -2 \\
 & \text{A} = -2 \\
 & \text{C} = -2 \\
 & \chi =
\end{array}$$

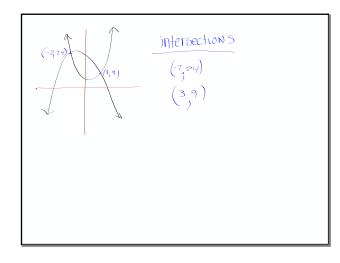


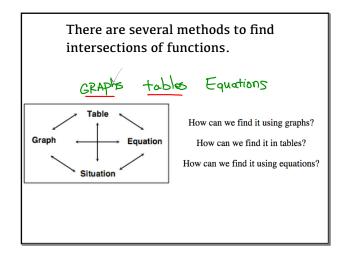


Two Quaradatic Functions  

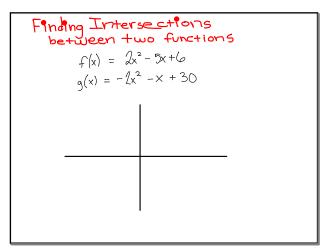
$$f(x) = 2x^{2} - 5x + 6$$

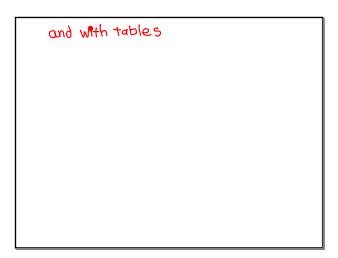
$$g(x) = -2x^{2} - x + 30$$
How can we find out  
the points of intersection  
of these 2 parabolas?

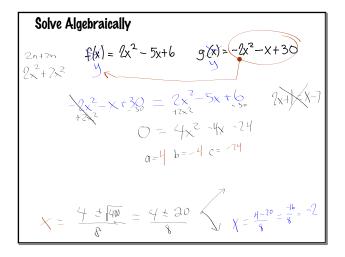




In	tersections	vs	Intercepts	

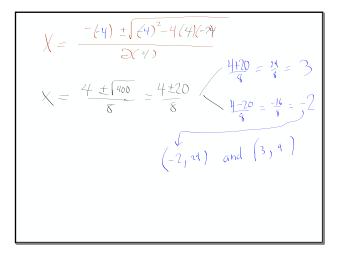


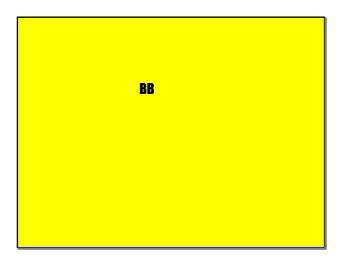




# Notes on 1.1.4 Day 1

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## Notes on 1.1.4 Day 1

