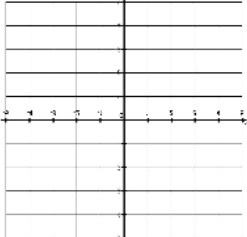
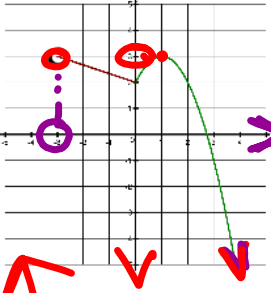
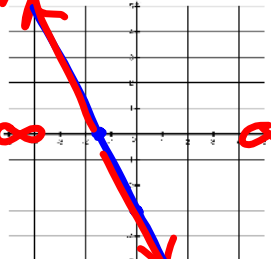


Monday 10.18		Tuesday 10.19	
$f(x) = \frac{1}{2}x - 7$ $g(x) = 3x^2 - x + 2$ $h(x) = 12\left(\frac{1}{2}\right)^x$ $3 = \frac{1}{2}x - 7$ $2(10) = \left(\frac{1}{2}x\right)^2$	$f(-9) = -23/2 = -11\frac{1}{2}$ $h(-2) = 48$ $g(-6) = 116$ $f(x) = 3, x = 20$	$g(x) = 3x^2 - x + 2$ <p>If $x = \{-4, -1, 3, 5\}$, find the domain and range.</p>	
$h(x) = 12\left(\frac{1}{2}\right)^x$ <p>Find average rate of change for $-1 < x < 2$</p> $\left(-1, \frac{24}{2}\right)$ $\left(2, \frac{3}{2}\right)$	<p>Slope</p> $\frac{3 - 24}{2 - (-1)} = \frac{-21}{3} = -7$ <p>Is $(-2, -5)$ a solution to the inequality?</p>	<p>Graph $2x - 4y > 16$.</p>	
	<p>Find the domain and range of the graph to the left.</p> $D: -3 < x < \infty$ $R: -\infty < y \leq 3$	<p>You are choosing between two jobs. At job A, you pay for a \$10 uniform to start and then earn \$8 per hour. At job B, you pay for a \$25 uniform to start and then earn \$9.50 per hour. How many hours do you have to work to have made the same amount at either job? How much will you have made?</p>	
	<p>Domain: $R: -\infty < x < \infty$</p> <p>Range: $R: -\infty < y \leq 3$</p> <p>X-Int: $(-1.5, 0)$</p> <p>Y-Int: $(0, -3)$</p> <p>Int. of Inc Dec: $(0, 1)$</p> <p>$f(x) > 0$: $x > 0$</p> <p>$f(x) < 0$: $x < 0$</p> <p>End: As $x \rightarrow -\infty, f(x) \rightarrow \infty$</p> <p>As $x \rightarrow \infty, f(x) \rightarrow -\infty$</p>	<p>You are saving up for car insurance. Your parents give you a monthly stipend of \$40 and make \$8.25 per hour at your job. If you need <u>at least</u> \$135 per month to pay for the car, how many hours would you need to work?</p>	
<p>SAT Question:</p> $b = 2.35 + 0.25x$ $c = 1.75 + 0.40x$ <p>In the equations above, b and c represent the price per pound, in dollars, of beef and chicken, respectively, x weeks after July 1 during last summer. What was the price per pound of beef when it was <u>equal</u> to the price per pound of chicken?</p> <p>A) \$2.60 B) \$2.85 C) \$2.95 D) \$3.35</p> $2.35 + .25x = 1.75 + 0.40x$	<p>SAT Question:</p> $g(x) = ax^2 + 24$ <p>For the function g defined above, a is a constant and $g(4) = 8$. What is the value of $g(-4)$?</p> <p>A) 8 B) 0 C) -1 D) -8</p>		