

Friday	
<p>Simplify the following expression</p> $2\sqrt{24} - 5\sqrt{6} - 3\sqrt{27}$ <p>10 12</p>	$120 - \frac{3\sqrt{27}}{3 \cdot 3}$ $120 - 9\sqrt{3}$
<p>Factor by grouping</p> $(15x^2 - 40)(-6x + 16)$ $5x(3x-8) - 2(3x-8)$	$(3x-8)(5x-2)$
<p>Find the domain and range of the graph to the right.</p> <p>Domain: -4 < x < 4</p> <p>D: $-4 < x \leq 4$</p> <p>R: $-4 \leq y < 3$</p>	
<p>Using the graph above, find the average rate of change for $-2 < x < 3$.</p> <p>x_1, y_1 x_2, y_2</p> <p>$(-2, 2)$ $(3, -2)$</p>	<p>Ave</p> $m = \frac{-2 - 2}{3 - (-2)} = \frac{-4}{5}$
<p>SAT Question:</p> <p>Kathy is a repair technician for a phone company. Each week, she receives a batch of phones that need repairs. The number of phones that she has left to fix at the end of each day can be estimated with the equation $P = 108 - 23d$, where P is the number of phones left and d is the number of days she has worked that week. What is the meaning of the value 108 in this equation?</p> <p>A) Kathy will complete the repairs in 108 days.</p> <p><input checked="" type="radio"/> B) Kathy starts each week with 108 phones to fix.</p> <p>C) Kathy repairs phones at a rate of 108 per hour.</p> <p>D) Kathy repairs phones at a rate of 108 per day.</p>	