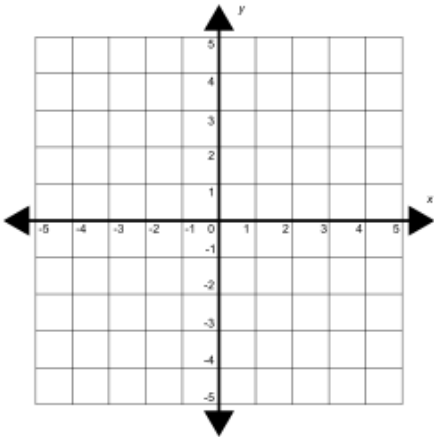

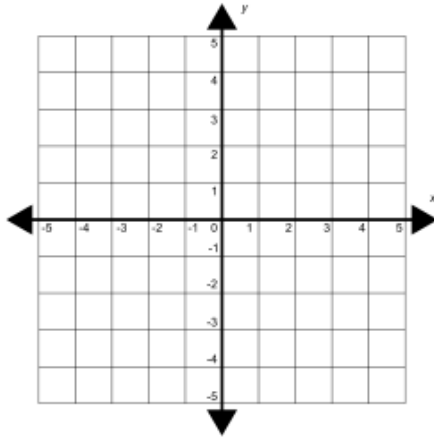








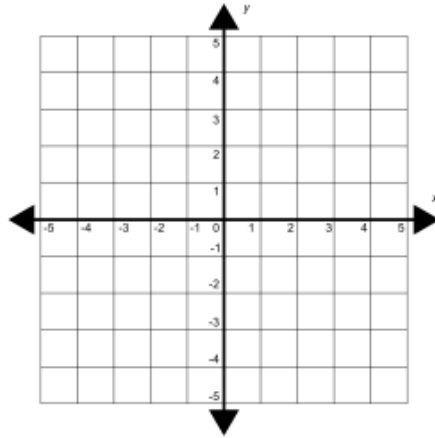
Solve	Graph	Apply
$-2 x - 3 = -4$	$y = -2 x - 3 + 4$ 	<p>Phase 1: We are traveling on a plane to visit Buckingham Palace at 545 mph for 7 hours. (Departed from Chicago)</p> <p>Phase 2: We land in Liverpool and stay overnight at a hotel for 12 hours. </p> <p>Phase 3: We drive from Liverpool to Buckingham Palace at 60 mph for 3 hours.</p> <p>$y = \left\{ \right.$</p>
$-15x^2 + 39x - 24 = 0$	$y = -5x^2 + 13x - 8$  <p>Axis of symmetry:  or </p> <p>Solutions:</p> <p>Max/Min:</p> <p>y-intercept:</p>	  <p>Anthony Rizzo hits a pop-up so high that the Cardinal infielders can't catch it. Using the equation $h = -16t^2 + 100t + 3$, determine the maximum height (h) of the ball and after how many seconds (t) it took for the ball to hit the ground.</p> <p> Maximum Height:</p> <p> Time ball hits ground:</p>

Solve

$$3\log_2(x) = -9$$

Graph

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



Growth or Decay

Factor:

Rate:

y-intercept:

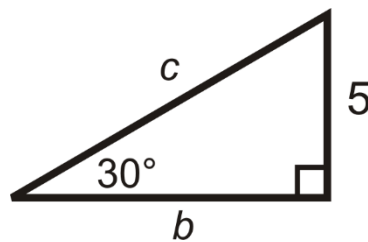
Apply



Kevin started by eating 3 burgers a day. He eats 50% more burgers than the day before. How many days until he is up to 1000 burgers per day?

Prove whether the side lengths 68, 80, 92 form a right triangle.

Find sides b and c.



Soh Cah Toa

