

# Word Problems 7

Tuesday, April 8, 2014  
7:13 AM

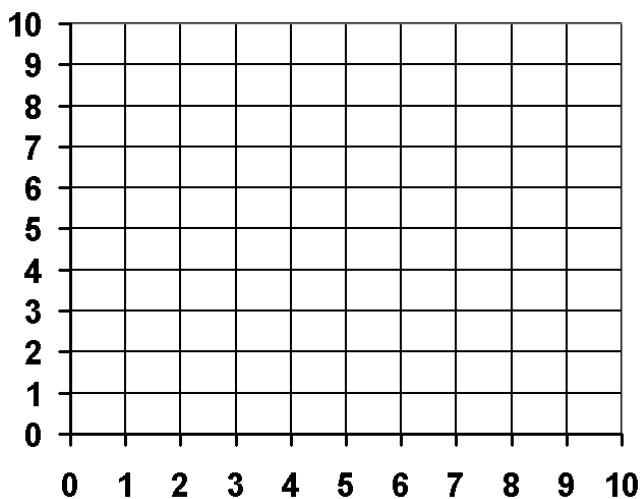
Name: \_\_\_\_\_

A light plane flew from its home base to an airport 255 miles away. With a head wind, the trip took 1.7 hours. The return trip with a tail wind took 1.5 hours. Find the average airspeed of the plane and the average windspeed.

At Round Table Pizza, it costs \$18 for a large cheese pizza and \$2 per topping. How much money does it cost for a large pepperoni and pineapple pizza? Show all of your work

Write an equation for the cost of a large pizza with  $t$  toppings. What is the *dependent variable*? What is the *independent variable*?

Graph the equation. Make sure to label your axes.



Using your graph, estimate how many toppings you can get on your pizza if you have \$27.