Modeling Functions--Rate of Change

Big Ideas: Sometimes a rate of change is too large or small to graph in detail. Rate of Change can still be found using significant points.

Only two points are needed to make a line.

Tables can help organize information to make rate of change.

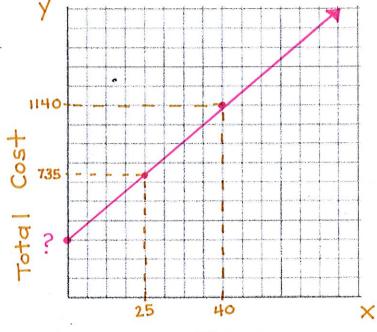
Example:

Martin wants to buy shirts for his Math Olympiad team. The shirt printer tells him there is and initial set up fee to make the design, and then a set charge for each shirt.

Martin is told that 40 jerseys will cost \$1140 and that 25 shirt cost \$735.

a. Sketch a graph of this situation (label axes and significant points).

b. What is the cost for each shirt, (not including the set up fee)?



Shirts