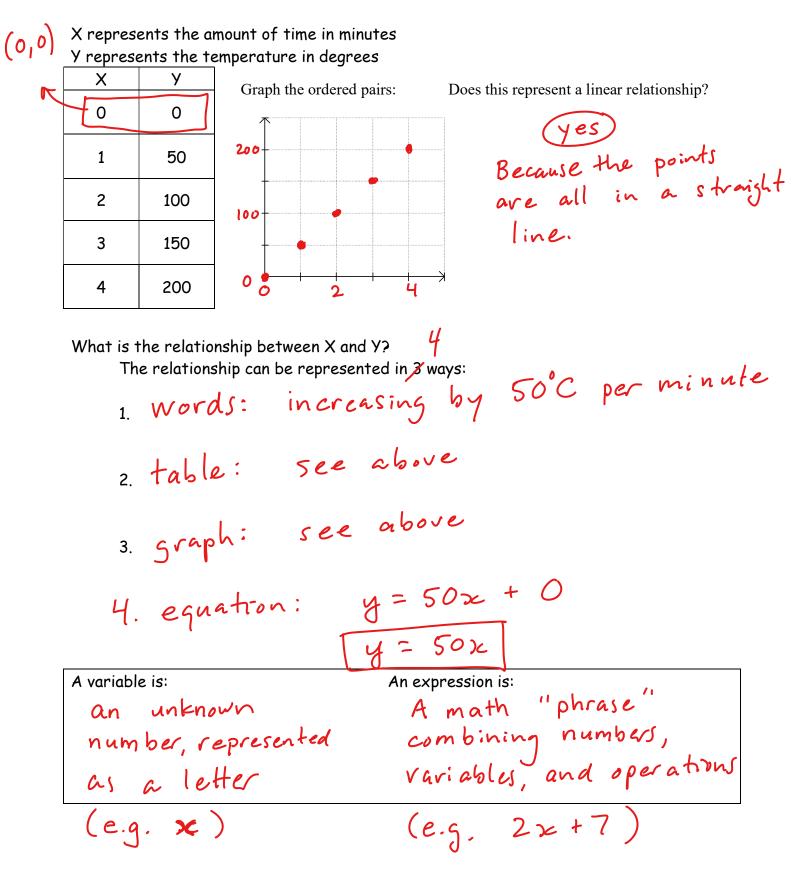
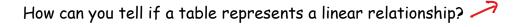
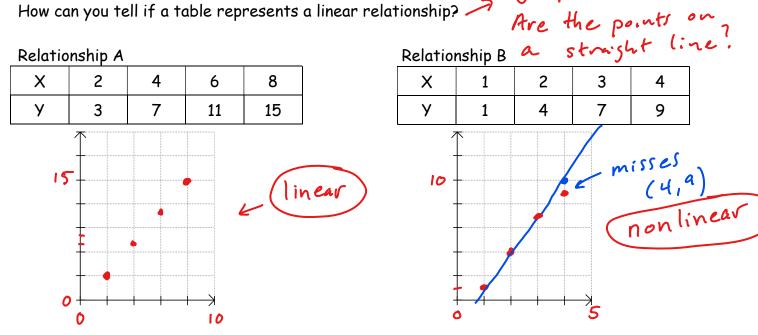


Alvin is cooking a turkey in a very old oven, and needs to heat the turkey to an internal temperature of 250 degrees. For absolutely no reason at all, he decides to make a table of values comparing how long it takes to reach different temperatures:







graph it.

Is there a way to tell if a table represents a linear relationship WITHOUT graphing?

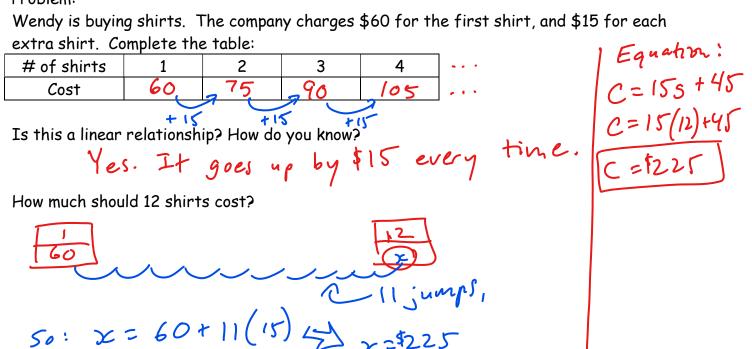
Think about how you can describe the relationship in words:

Does it "go up" by the same amount time?

You can tell if a table represents a linear relationship by: examining the table of does the data increase by the same amount every

Problem:

Wendy is buying shirts. The company charges \$60 for the first shirt, and \$15 for each extra shirt. Complete the table:



+1 +2 +1 Does this represent a linear relationship? Х 3 2 5 6 Yes! У 6 18 10 22 ppoofiadd a column to the table: +4 +8 +4 71-57 00/2 FV 4 6 5 3 2 7 22 18 14 10 2 6 What happens if you try to plot it on a graph? The points are on a stradght line. 20 10-5 the trianglel are There is a consistent pattern, but ... there is a missing point Similar