

0. Print your name:

1. You drive to school, going slow at first, and then speeding up so you won't miss Calculus. But you slow down when you see a police car, and speed up again. Sketch a graph of your distance traveled as a function of time.

2. You decide to invent a new temperature scale called S where water freezes at 32 S-degrees just like Fahrenheit but boils at 100 S-degrees instead of the 212 degrees in Fahrenheit. Find a formula that translates Fahrenheit temperature to S-degrees.

3. You decide to make Math T-shirts. You have fixed costs of \$200 and variable costs of \$6 per shirt. Find the cost equation. If you sell the shirts for ten dollars each, what is your break-even point ?