Bellwork:

On graph paper, plot the following points.

x, gallons	1	2	3.5	5	12
y, cost	3.34	6.68	11.69	16.7	40.08

A B C D E

Think about how to create the xy-axis before you plot the points.

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$m = \frac{rise}{run} \quad \frac{cost}{gallons}$$

rise

run

cost

gallons

gallons

Linear

3.39^9

$$m = \frac{rise}{run}$$
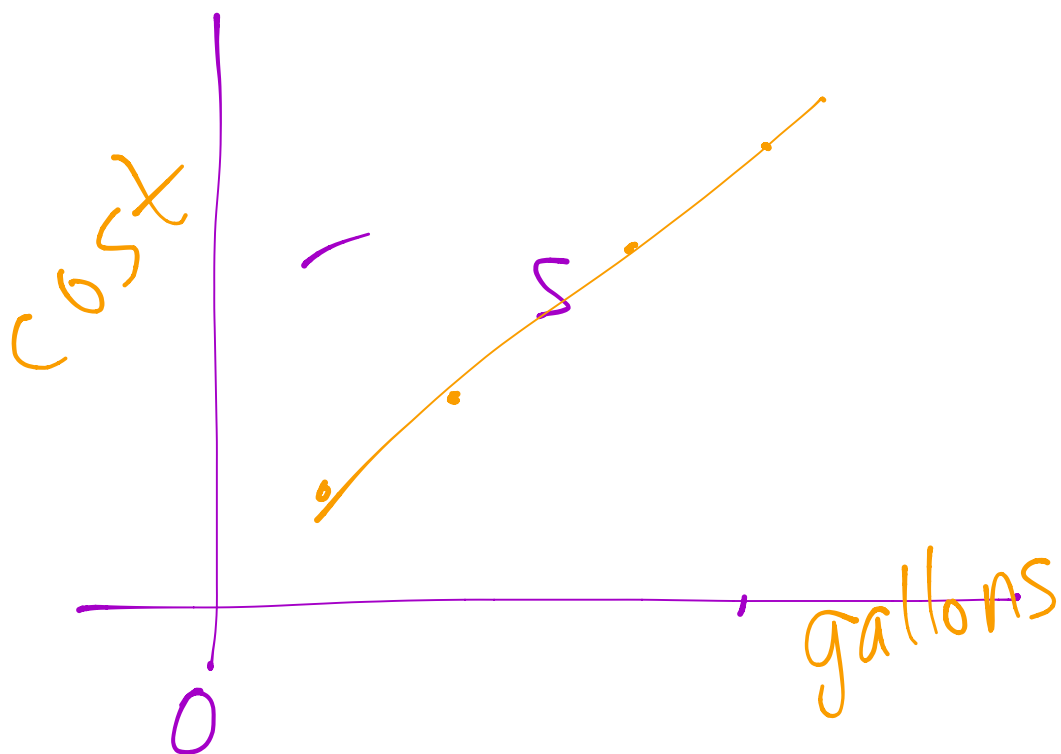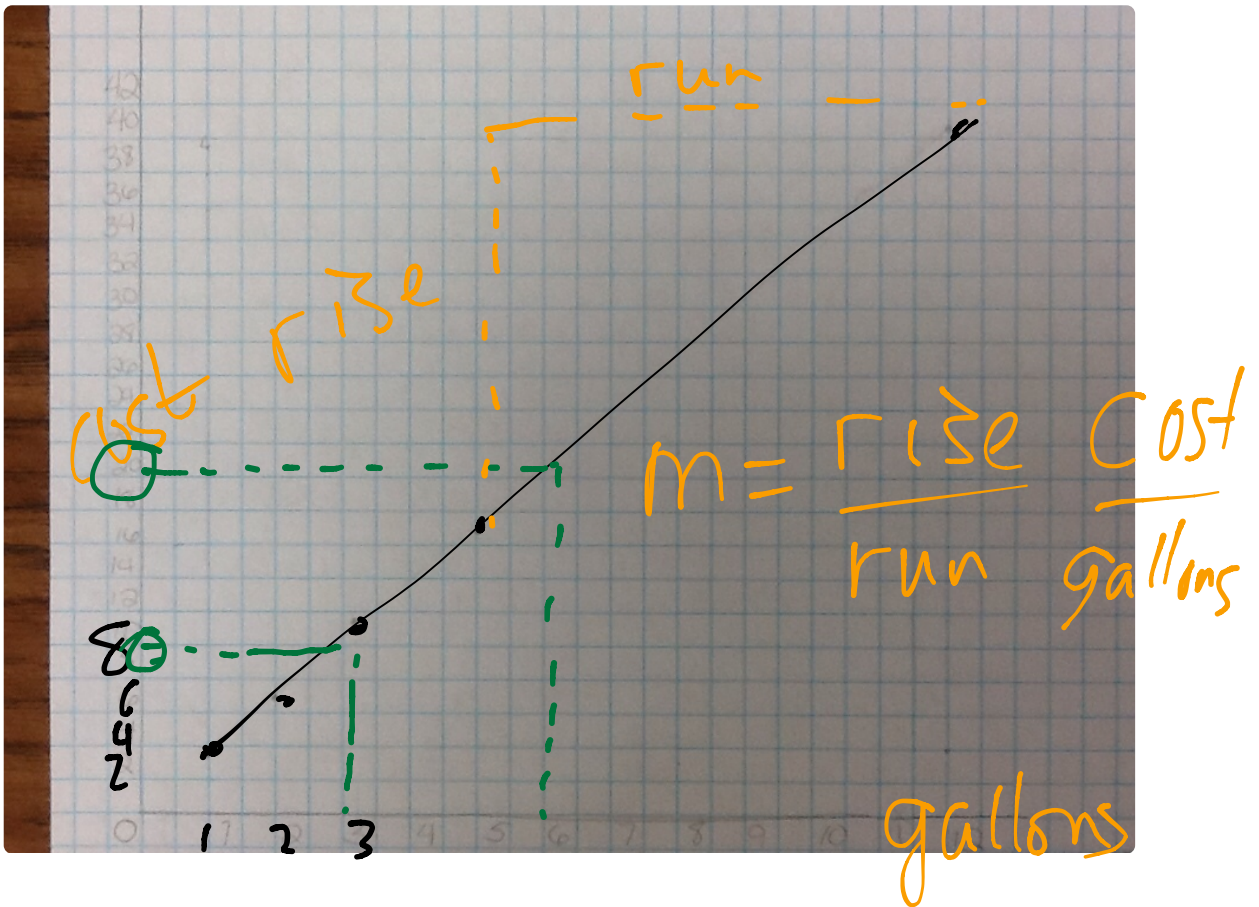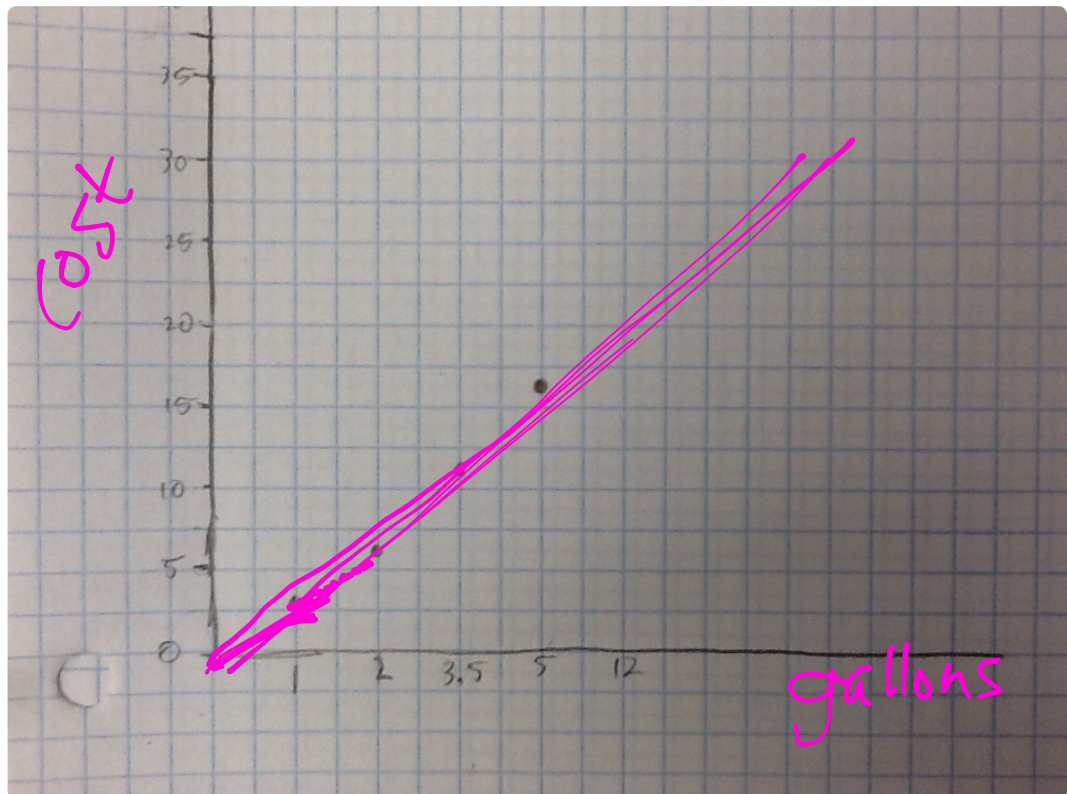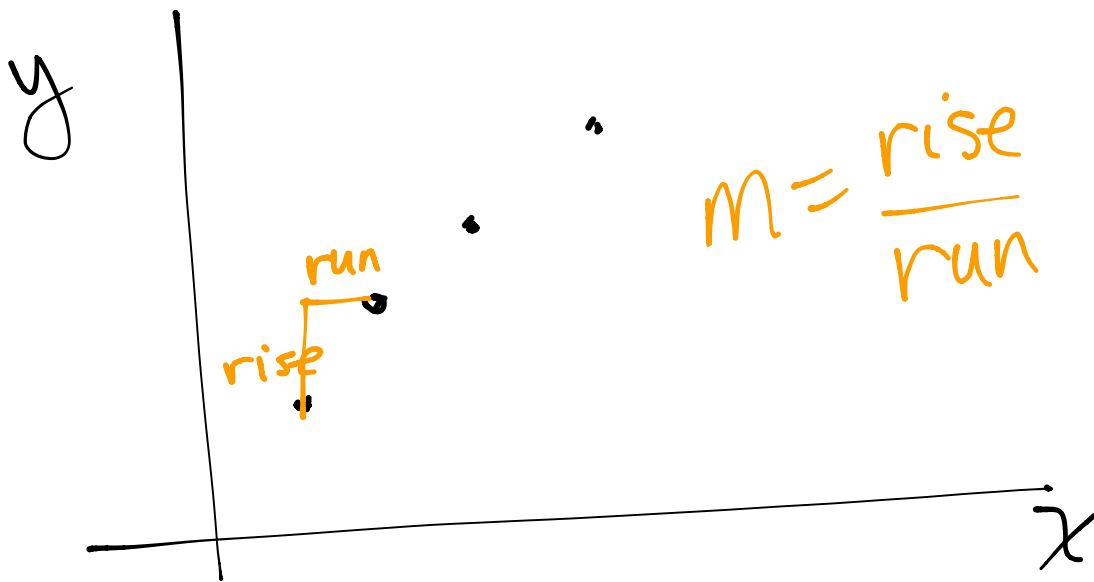
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$x_1 \quad y_1$$
$$(1, 3.34)$$
$$x_2 \quad y_2$$
$$(2, 6.68)$$

$$m = \frac{6.68 - 3.34}{2 - 1} = \frac{3.34}{1}$$
$$= 3.34$$

cost

$$\frac{cost}{gal}$$

$$\frac{\$3.34}{gal}$$

gallons

Open note quiz

① Calculate slope

$$(-3, 7) \quad (10, -11)$$

② Calculate slope

x	1	3	7	10
y	4	8	16	22

HW: 1-8 on worksheet