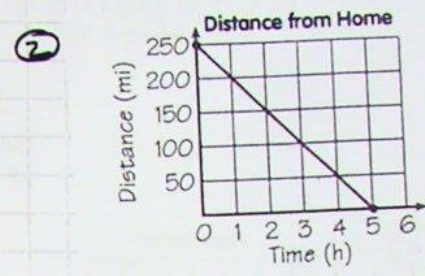
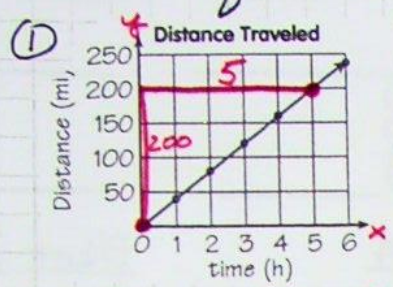


$y = mx + b$
 ↑ rate ↑ y-int

Review Writing: Using Equations of Lines Name: _____

For each graph write two points on the line. Find the rate of change (m). Find the y-intercept (b). Write the equation of the line. Use the equation to calculate the indicated value.



Two Points: (5, 200) (0, 0)

Two Points: _____

Rate of Change: $\frac{200}{5} = 40$

Rate of Change: _____

y-intercept: 0 or (0, 0)

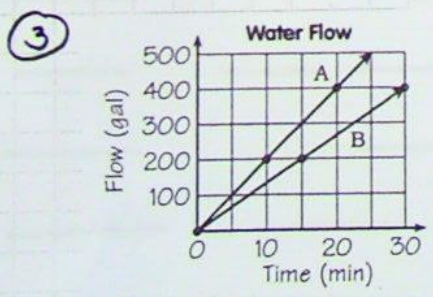
y-intercept: _____

Equation: $y = 40x + 0$

Equation: _____

In 10 hours } calculate the distance } $y = 40(10) + 0$
 $y = 400$ miles

In 3 hours } calculate the distance } _____



Pipe A

Pipe B

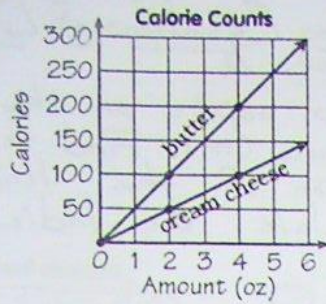
Two Points _____

Rate of Change _____

y-intercept _____

Equation _____
 In 40 min. } calculate the flow } _____

4



Butter

Cream Cheese

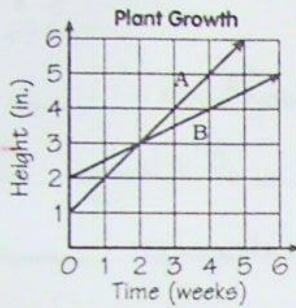
Two Points _____

Rate of Change _____

y-intercept _____

Equation _____
 In 10oz, calculate the }
 # of calories } _____

5



Plant A

Plant B

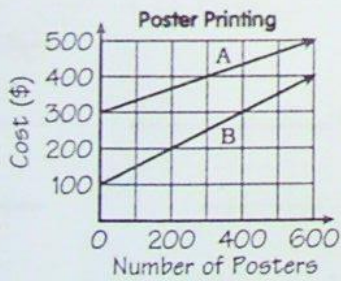
Two Points _____

Rate of Change _____

y-intercept _____

Equation _____
 In 10 weeks, calculate the }
 height. } _____

6



Company A

Company B

Two Points _____

Rate of Change _____

y-intercept _____

Equation _____
 For 800 posters, calculate }
 the cost } _____