Interpreting Graphs - Assignment

1) What does the *y*-intercept represent?

Beginning value - step 0 (**b**) ? _____

Rate of change (**m**) ? _____

Write an equation $y = \mathbf{m}x + \mathbf{b}$
    to represent the pattern _____

Total Pay

Money earned ($)

220
200
180
160
140
120
100
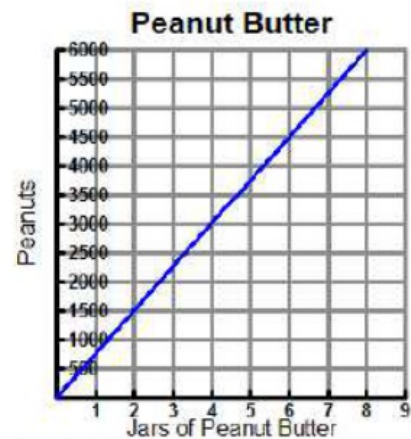80
60
40
20

3   6   9   12   15   18

Time worked *(h)*

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2) What does the *y*-intercept represent?

Beginning value - step 0 (**b**) ? _____

Rate of change (**m**) ? _____

Write an equation $y = \mathbf{m}x + \mathbf{b}$
    to represent the pattern _____

Peanut Butter

Peanuts

6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
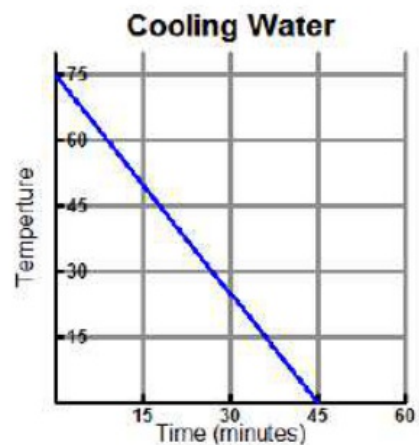
1   2   3   4   5   6   7   8   9

Jars of Peanut Butter

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3) What does the *y*-intercept represent?

Beginning value - step 0 (**b**) ? _____

Rate of change (**m**) ? _____

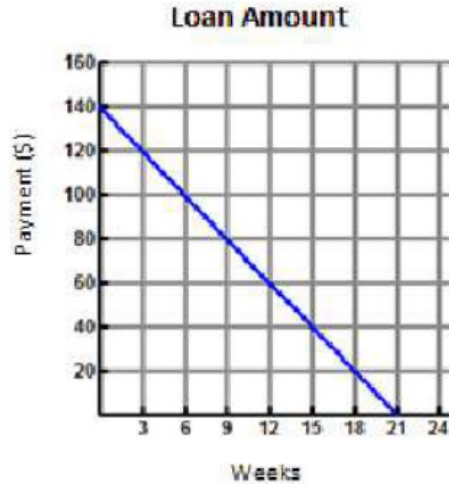Write an equation $y = \mathbf{m}x + \mathbf{b}$
    to represent the pattern _____

What does the *x*-intercept represent?

Cooling Water

Temperture

75

60

45

30

15

15   30   45   60
Time (minutes)

4) What does the y-intercept represent?

Beginning value - step 0 **(b)** ? _____

Rate of change **(m)** ? _____

Write an equation $y = mx + b$
  to represent the pattern _____

What does the x-intercept represent?

_____

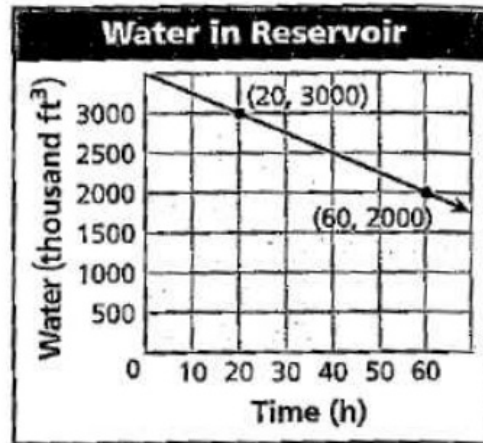**Loan Amount**

5) What does the y-intercept represent?

Beginning value - step 0 **(b)** ? _____

Rate of change **(m)** ? _____

Write an equation $y = mx + b$
  to represent the pattern _____

Water in Reservoir

6) What does the y-intercept represent?

Beginning value - step 0 **(b)** ? _____

Rate of change **(m)** ? _____

Write an equation $y = mx + b$
  to represent the pattern _____

Moving Van Costs