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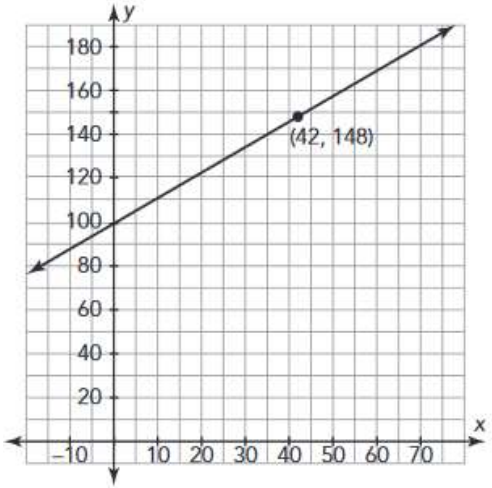
PRACTICE

1) Examine the linear graph. Find the y-intercept, slope, and write the equation in slope-intercept form (y=mx+b).

y-intercept – _____ Slope - _____



Equation (y=mx+b)

_____

2) The table below represents a linear relation. Find the y-intercept, slope, and write the equation in slope-intercept form (y=mx+b).

y-intercept – _____ Slope - _____

x	y
20	144
24	172
28	200
32	228
36	256

Equation (y=mx+b) : _____

Write the slope-intercept form of the equation of the line through the given point with the given slope.

3) through (1, 2), slope = 7

Ans:

4) through (3, -1), slope = -1

Ans:

5) through (-2, 5), slope = -4

Ans:

6) through (3, 5), slope = $\frac{5}{3}$

Ans:

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Write the slope-intercept from of the equation of the line through the given two points. (hint: find the slope first)

7) through (0, 3) and (-4, -1)

Ans:

8) through (0, 2) and (1, -3)

Ans:

9) through (-4, 0) and (1, 5)

Ans:

10) through (0, -1) and (-2, -1)

Ans:

11) through (5, 3) and (4, 5)

Ans:

12) through (-3, 5) and (-3, 4)

Ans: