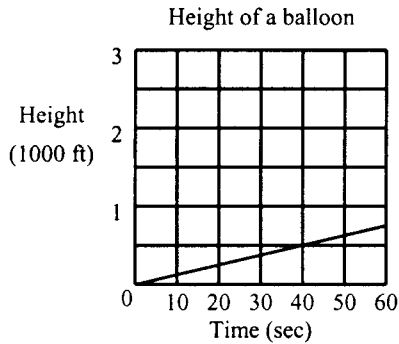


Answer key provided ~ to get the most out of this practice don't look at it until you have answered all the questions as if this were the "real" quiz. Then compare your answers to the key and restudy any chapter sections you need to. There are plenty of additional practice problems in the text including the "Extra Practice" section at the back of the book.

ALGEBRA ~ Per. 4 ~ Practice Quiz (5-1 to 5-5) NAME: \_\_\_\_\_

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1. Find the slope of the line passing through the points  $(-6, 4)$  and  $(-2, 7)$ .
2. A line goes through the point  $(4, 3)$  and has slope  $-\frac{1}{3}$ . Graph this line.
3. Find the rate of change for the data graphed on the line.

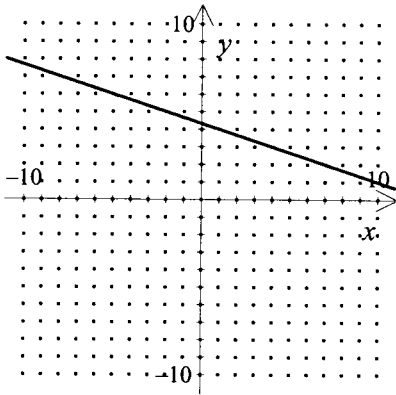


4. Draw the graph of direct variation that includes the point  $(1, -4)$ . Write the equation of the line.
5. The number  $G$  of gears a machine can make varies directly as the time  $T$  it operates. If it can make 1590 gears in 3 hours, how many gears can it make in 10 hours?
6. Graph:  $y = -2x + 6$
7. Write an equation of the line with slope  $-4$  and  $y$ -intercept 18.
8. Write an equation of the line that passes through the point  $(4, -7)$  with slope  $-2$ .
9. A plumber charges \$51 for 2 hours of work and \$74.25 for  $3\frac{1}{2}$  hours work. Write an equation relating cost to number of hours worked.
10. Find the general form of the equation of the line that passes through the points  $(6, 3)$  and  $(8, 6)$ .

Answer Key For Practice Quiz

[1]  $\frac{3}{4}$

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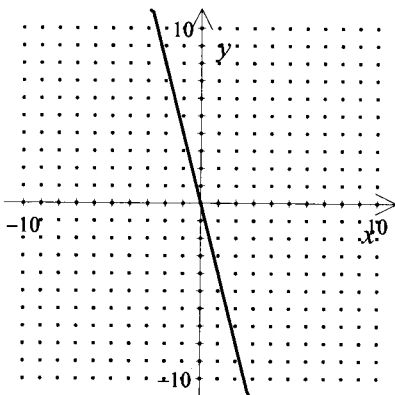


[2]

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[3]  $\frac{25}{2}$ , the balloon ascends 1000 ft every 80 seconds.

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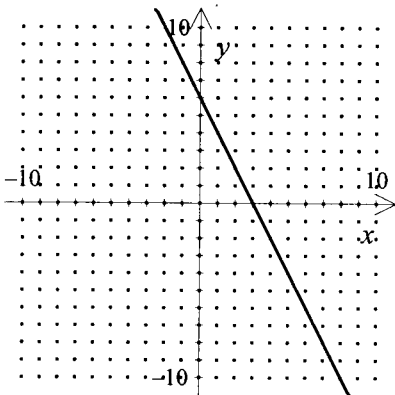
$y = -4x$

[4]

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[5] 5300 gears

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[6]

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[7]  $y = -4x + 18$

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$$[8] \quad y = -2x + 1$$

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$$[9] \quad y = 15.50x + 20$$

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$$[10] \quad 3x - 2y = 12$$

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