### Lesson 11 Practice Problems

* 1. Graph these points in the coordinate plane: $\left(-2,3\right)$, $\left(2,3\right)$, $\left(-2,-3\right)$, $\left(2,-3\right)$.
	+ 
	1. Connect all of the points. Describe the figure.
1. Write the coordinates of each point.
* 
1. These three points form a horizontal line: $\left(-3.5,4\right)$, $\left(0,4\right)$, and $\left(6.2,4\right)$. Name two additional points that fall on this line.
2. One night, it is $24^{∘}C$ warmer in Tucson than it was in Minneapolis. If the temperatures in Tucson and Minneapolis are opposites, what is the temperature in Tucson?
	1. $-24^{∘}C$
	2. $-12^{∘}C$
	3. $12^{∘}C$
	4. $24^{∘}C$
* (From Unit 7, Lesson 2.)
1. Lin ran 29 meters in 10 seconds. She ran at a constant speed.
	1. How far did Lin run every second?
	2. At this rate, how far can she run in 1 minute?
* (From Unit 2, Lesson 9.)
1. Noah is helping his band sell boxes of chocolate to fund a field trip. Each box contains 20 bars and each bar sells for $1.50.
	1. Complete the table for values of $m$.

| * + boxes sold $\left(b\right)$
 | * + money collected $\left(m\right)$
 |
| --- | --- |
| * + 1
 |  |
| * + 2
 |  |
| * + 3
 |  |
| * + 4
 |  |
| * + 5
 |  |
| * + 6
 |  |
| * + 7
 |  |
| * + 8
 |  |

* 1. Write an equation for the amount of money, $m$, that will be collected if $b$ boxes of chocolate bars are sold. Which is the independent variable and which is the dependent variable in your equation?
	2. Write an equation for the number of boxes, $b$, that were sold if $m$ dollars were collected. Which is the independent variable and which is the dependent variable in your equation?
* (From Unit 6, Lesson 16.)



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