

Warm Up!

1.) Write in agenda book

2.) Evaluate the expression below for $x = 32.5$ and $y = 3$

$$x - y^3 + 8.12$$

$32.5 - 27 + 8.12$

13.62


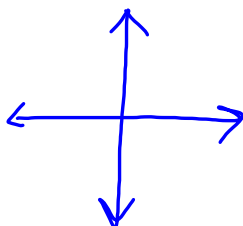
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Chapter 12 Quiz Review

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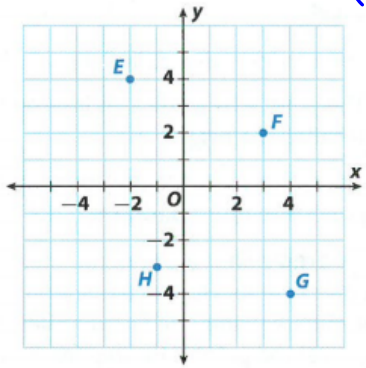
1.) Sketch a coordinate grid and label the following.

- x-axis
- y-axis
- origin
- the four quadrants



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On the coordinate plane below, identify the coordinates of each point. Name the quadrant where each point is located. (x,y)



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John buys packages of pens for \$5 each. Identify the independent and dependent variables.



Total \$
Number of packages

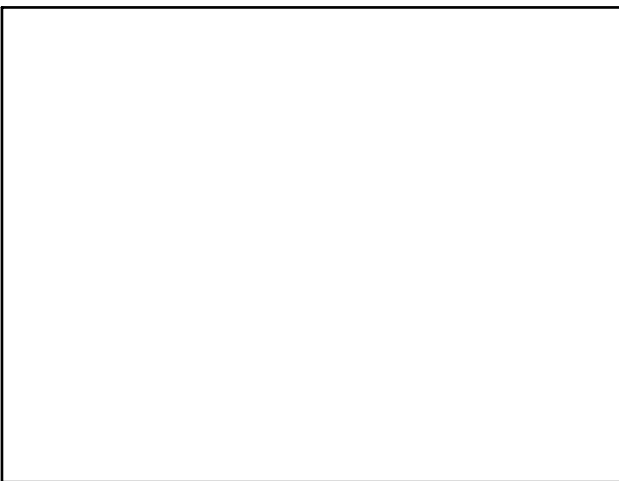
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Teresa is buying glitter markers to put in gift bags. The table shows the relationship between the number of gift bags and the number of glitter markers she needs to buy. What are the independent and dependent variables?



Number of gift bags, x	0	1	2	3
Number of markers, y	0	5	10	15

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Write an equation that expresses y in terms of x .



x	1	2	3	4	5
y	0.5	1	1.5	2	2.5

x	2	4	6	8	10
y	5	7	9	11	13

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When Todd is 8, Jane is 1. When Todd is 10, Jane will be 3. When Todd is 16, Jane will be 9. Create a table and write an equation to represent the relationship. Use your equation to find Jane's age when Todd is 45.



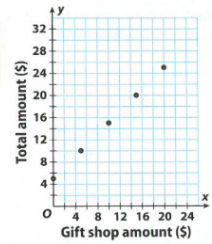
Todd				
Jane				

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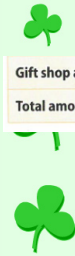
Chelsea pays the entrance fee to visit a museum, then buys souvenirs at the gift shop. The graph shows the relationship between the total amount she spends at the museum and the amount she spends at the gift shop.

a.) Read the ordered pairs from the graph. Use them to complete a table comparing total spent, y , to amount spent at the gift shop, x .

Gift shop amount (\$)	0	5	10	15	20
Total amount (\$)	5	10			

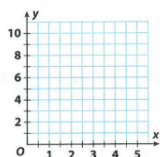


b.) Write an equation to represent the relationship.



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Graph the equation $y = x + 2.5$



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Evaluate the expression for $w = 7$, $g = 3.5$ and $k = 18.4$

$$k - 2g + w$$



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Combine like terms.



$$y + 11x + 7y - 8x + 4$$

Apply distributive property to create an equivalent expression.



$$6(2e - 9)$$

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