

Final Review

Module 7/Module 8

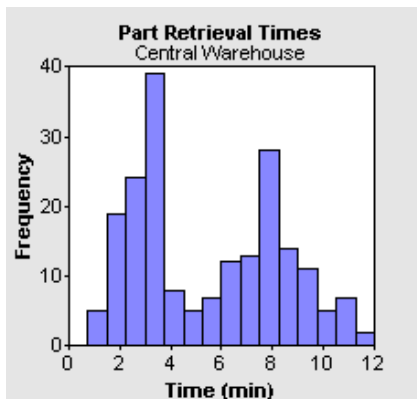
1. Label the min, Q1, med, Q3, and max. Also label the percent that represents every section.



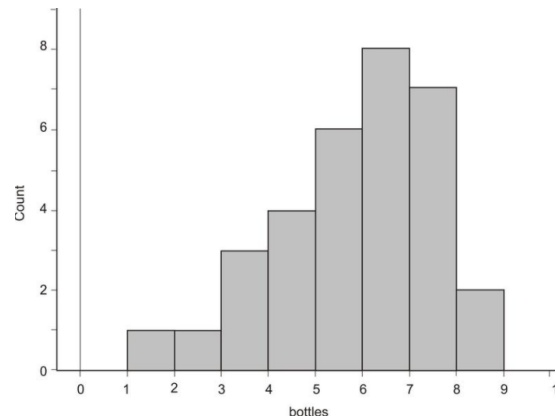
2. Label if the following are scatter plots, two way table, or a histogram

- a. Do adults and children prefer dogs or cats? (Two variable) _____
- b. What are the grades of students in Math class? (One Variable) _____
- c. How does GPA compare to the hours a student studies? (Two variable) _____

3. Circle the following words that best describe the histogram



- a. unimodal
- b. bimodal
- c. multimodal



- a. normal/symmetric
- b. skewed left
- c. skewed right

4. Answer the following questions using the table below.

Concession Stand Sales				
	Soda	Water	No Drink	Total
Hot Dog	50	62	46	158
Pizza	120	58	4	182
No Food	30	20	10	60
Total	200	140	60	400

- Which percent of people surveyed got hot dogs?
- Which percentage of people that got no drink also got a hot dog?
- Which percentage of people that ordered pizza, also got soda?
- What percentage of people surveyed got a hot dog and water?

5.

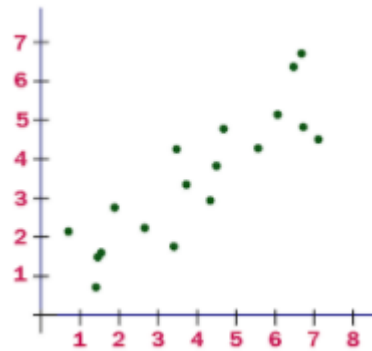
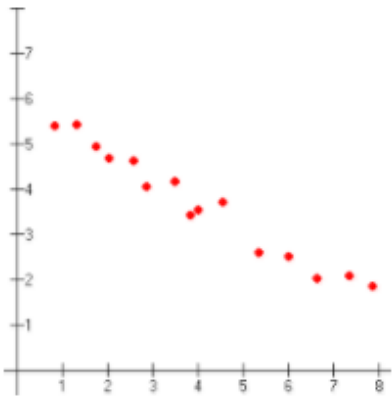
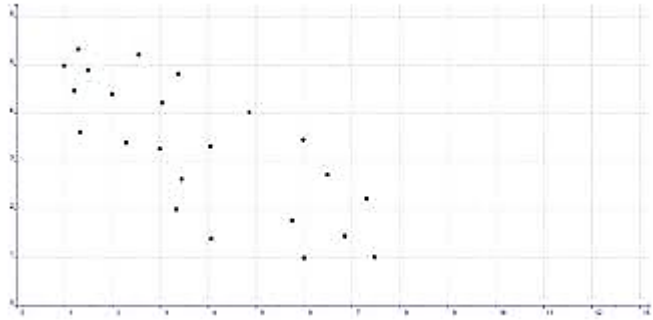
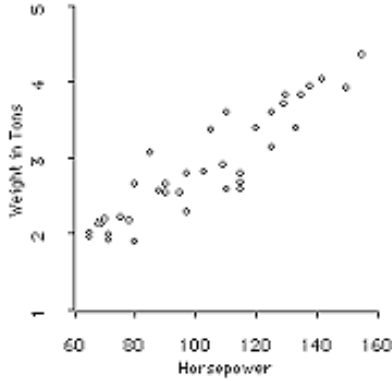
	Soda	Water	No Drink	Total
Hot Dog				100%
Pizza				100%
No Food				100%
Total				100%

- Which percentage of people that got no food ordered no drink?
- Which percentage of people that got pizza got water?

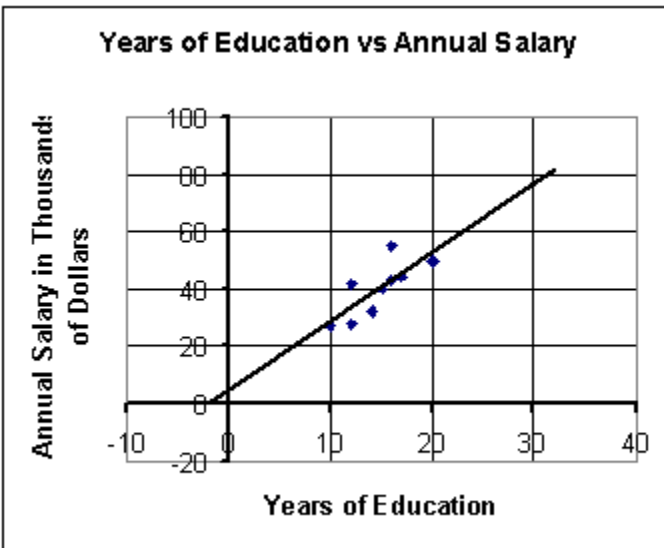
	Soda	Water	No Drink	Total
Hot Dog				
Pizza				
No Food				
Total	100%	100%	100%	100%

- Which percentage of people that got soda ordered pizza?
- Which percentage of people that got water got no food?

6. Match each graph with the following correlation coefficients. (0.55, -0.3, 0.69, -0.89)



7. Using the graph below, answer the following questions.

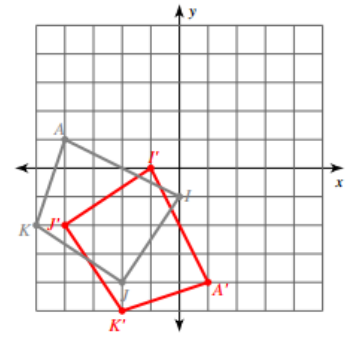
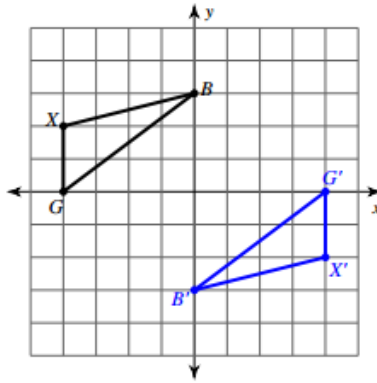
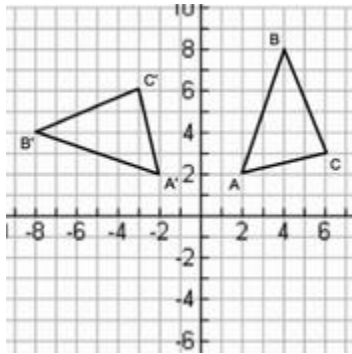


- What does the y intercept mean in this situation?
- What does the slope mean in this situation?
- After 40 years of education, what would you predict the salary amount would be?

Line of best fit: $y = 2.5x + 4.6$

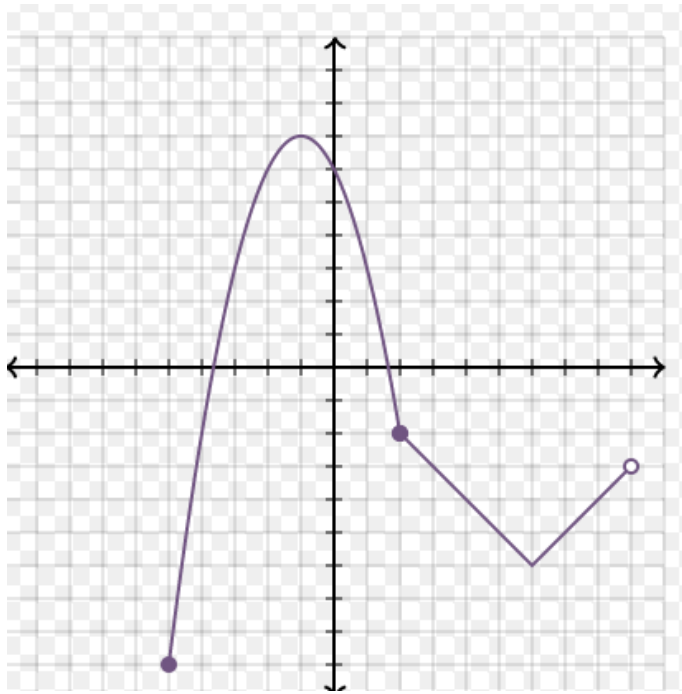
Module 6

8. Name the transformation that takes place in each of the following.



Mod 5

<p>9. In $f(x+h) - k$, what do h and k represent?</p>	<p>10. If $f(x) = g(x) + 5$, $g(x) = 9x + 2$</p> <p>$f(x) =$ _____</p>
<p>11. If $f(x) = g(x) - 7$, and $f(x) = 4x - 3$</p> <p>$g(x) =$ _____</p>	<p>12. If $h(x) = g(x) + 1$, and $g(x) = 5(2^x)$</p> <p>$h(x) =$ _____</p>



Min: _____

Max: _____

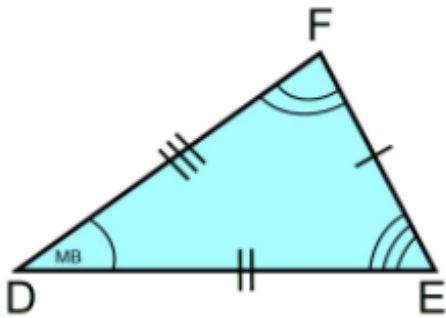
Increasing: _____

Decreasing: _____

Constant: _____

Domain: _____

Range: _____



Create triangles following the postulate provided

SAS	SSS	AAS
ASA	AAA—NOT CONGRUENT!	SSA—NOT CONGRUENT!

