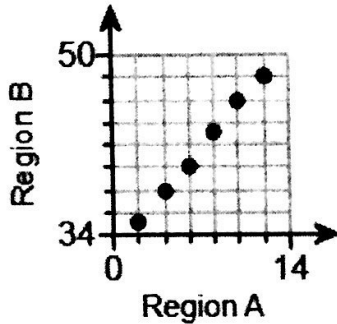Name **Key**

Per _____

LT #5: Using Linear Models

1. Which correlation coefficient would best represent the scatter plot of data? (2 pts each)

Region B / Region A

a. $r = -.97$
b. $r = -.12$
c. $r = .23$
d. $r = .96$

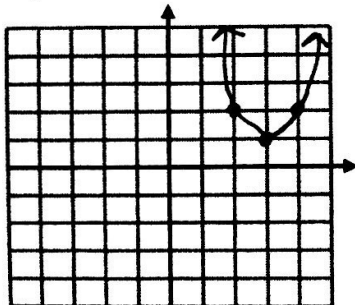2. Describe the correlation given a correlation coefficient of $r = -.94$

a. Strong, negative
b. Weak, negative
c. Strong, positive
d. Weak, positive

1. ___**D**___

2. ___**A**___

/4

LT #6: Families of Functions (Transformations)

State the transformations on the following functions. Then graph the function, using the transformations. (4 pts each)
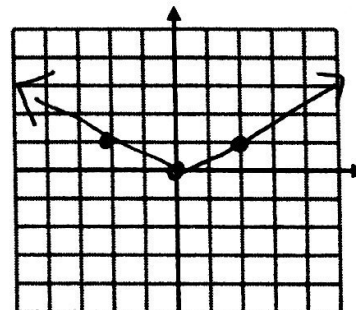
16. $y = (x - 3)^2 + 1$

Right 3
Up 1

17. $y = \frac{1}{2}|x|$

Compression (½)

/8

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