

Name _____

Date _____

Interpreting Slope and Rate of Change in Context - Matching Worksheet

Match the word problems to their answers. Write the letter of the answer that matches the problem.

- _____ 1. RDB has 6 puppies. After 6 months he has 4 puppies. What does the slope tell us about the trend of RDB puppy is this negative or positive? a. Positive
- _____ 2. David has 4 cars. After 2 years, he has 6 cars. How many cars does he purchase per year? b. -2
- _____ 3. Lilly has a rabbit. The height of rabbit is 5 cm long. After 2 years, it was 10 cm long. What does the slope tell us about the rabbit growth trend is this negative or positive? c. 27
- _____ 4. Dev has 2 cakes made. He makes 2 cakes per hour. Represent the number of cakes that he'll have made if he works for 6 hours with an equation. d. 1
- _____ 5. Berry has a 7 cm long chocolate. After two hours it was 3 cm long. Find the slope of the line representing this situation. e. 4
- _____ 6. Nancy uses 4 potatoes to make a casserole for 5 people. She uses an additional 3 potatoes per 4 people to increase the serving size for more people. How many potatoes would she need to make a casserole for 13 people? f. negative
- _____ 7. Julie has 12 pens. After 2 weeks she has 4 pens. How many pens Julie lose per week? g. 10
- _____ 8. Emil read 12 pages of a book. She reads 6 pages every 2 hours. How many pages will she have read of the book, if she were to read for another 5 hours? h. $y=2(6) + 2$

