

Name \_\_\_\_\_

Date \_\_\_\_\_

**Interpreting Slope and Rate of Change In Context - Independent Practice Worksheet**

Complete all the problems.

1. John has a 6 cm long rose candle. He lights the candle at 7 pm. After two hours it was 3 cm long. Find the slope of the line.

2. Mary eats 5 bananas and an additional 2 bananas when she works out for 2 hours. Represent the number of bananas that she eats when working out with an equation.

3. Albert uses 8 liters of water to wash a car and he spills an additional liter per 2 cars. What would be the total amount of water needed to wash 4 cars?

4. Tom has 9 toy cars. After 3 weeks he has 6 toys cars. How many toy cars does Tom destroy per week?

5. A tree is 3 feet tall. After 2 years it was 6 feet tall. What does the slope tell us about the tree's growth situation is this negative or positive?

6. Emma uses 10 pages of paper when she writes anything. She uses an additional 4 pages of paper every hour that she writes. Write an equation that would show how many pages of paper she uses when writing.

7. Noah has 4 cm of a sweater already completed. He knits 2 cm per hour. What would be the total length of sweater after 3 hours of knitting?

8. Bob has 10 apples. After 4 hours he has 6 apples. Find the slope of the line that indicates the rate that Bob eats apples at.

9. Jessica has 20 chocolates. After 4 hours, she has 12 chocolates. How many chocolates does she eat per hour?

10. Jazzy has 5 handmade cards. After 3 weeks he has 6 handmade cards. If an equation were written to represent this situation, what does the slope tell us about the growth of Jazzy's handmade card is this negative or positive?

