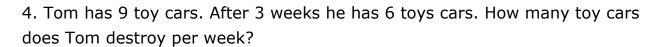
## Interpreting Slope and Rate of Change In Context - Independent Practice Worksheet

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?



- 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?

