Lesson 2-5: Compare Proportional Relationships

1. Sample answer: I can find the unit rate or the constant of proportionality for each proportional relationship.

2. Sample answer: Choose two sets of ordered pairs and find the ratio of the difference of the y-coordinates to the difference of the x-coordinates.

3. Sample answer: The constant of proportionality represents the ratio between the dependent and independent variables. It is also equal to the unit rate.

4. Amanda

5. Pat's Pet Palace

6. 10
   2; 18; 4; 36
   9
   Sam

7. $15
   $12

8. Lana

9. a. Money raised/miles walked
   b. Manuel and Petra both raise $15 per mile. Beth raises more per mile because her unit rate is $20 per mile.

10. a. Sample answer: I agree that Plant 1 grows more per day than Plant 2, but I disagree with Winston's reasoning.
    b. Winston did not pay attention to the independent variable - the number of days.

11. They all type equally fast.