Name _____ Date _____ Class _____

LESSON 2-3

Proportional Relationships and Graphs

Practice and Problem Solving: A/B

Complete each table. Explain why the relationship is a proportional relationship.

1. A cashier earns $8 per hour.

Time (h)	2	4		
Pay ($)	16		40	72

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_____

2. Tomatoes cost $.70 per pound.

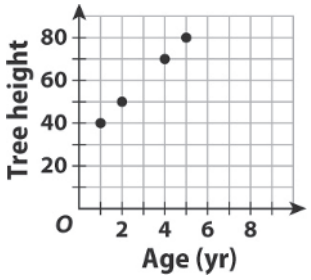
Weight (lb)	2		6	8
Price ($)	1.40	2.10		

_____

_____

Tell whether the relationship is a proportional relationship. Explain your answer.

3.



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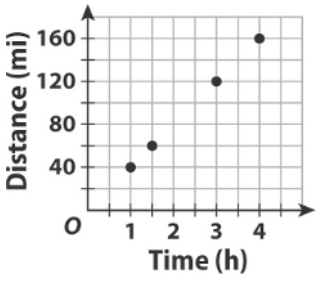
4.



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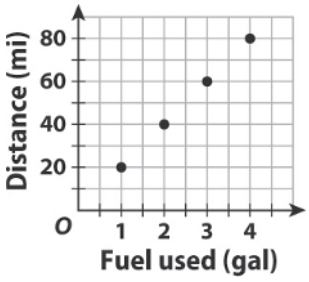
The graph shows the relationship between the distance traveled by a car and the amount of fuel used by the car.

5. Explain the meaning of (2, 40).

_____

_____



6. Write an equation for this relationship.

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_____

7. Suppose a compact car uses 1 gallon of fuel for every 27 miles traveled. How would the graph for the compact car compare to the graph for the car shown?

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