Name: _____ Date: _____

BLM 9–8

Section 9.2 Math Link

This worksheet will help you with the Math Link on page 351.

You are planning a canoe trip. The cost to rent a canoe is $40 a day. A national park pass for one week costs $36.

1. Fill in the table below showing the cost for the pass and the canoe for a trip from one to seven days. The first two rows have been completed as an example.

Number of Days, *d*	Cost, *C* ($)	Ordered Pair (Number of Days, Cost)
1	36 + 40 × 1 = 76	(1, 76)
2	36 + 40 × 2 = 116	(2, 116)
3		
4		
5		
6		
7		

2. On grid paper, graph the ordered pairs in your table. Label the axes.

3. Is this a linear relation? Explain how you know.

4. Write an expression for the cost, *C*, based on the number of days, *d*.
_____ + _____*d*

5. Think of another linear relationship to do with canoeing.

a) Write the relationship in words.

b) Make a table of values, like the one in #1, for the relationship.

c) On grid paper, graph the ordered pairs from the table. Label the axes.

d) Write an expression for the relationship. _____