Name: _____

Proportions

Solve by using a proportion. Round answers to the nearest hundredth if necessary.

1) You jog 3.6 miles in 30 minutes. At that rate, how long will it take you to jog 4.8 miles?

2) You earn $33 in 8 hours. At that rate, how much would you earn in 5 hours?

3) An airplane flies 105 miles in ½ hour. How far can it fly in 1 ¼ hours at the same rate of speed?

4) What is the cost of six filters if eight filters cost $39.92?

5) If one gallon of paint covers 825 sq. ft., how much paint is needed to cover 2640 sq. ft.?

6) A map scale designates 1" = 50 miles. If the distance between two towns on the map is 2.75 inches, how many miles must you drive to go from the first town to the second?

7) Bob is taking his son to look at colleges. The first college they plan to visit is 150 miles from their home. In the first hour they drive at a rate of 60 mph. If they want to reach their destination in 2 ½ hours, what speed must they average for the remainder of their trip?

8) Four employees can wash 20 service vehicles in 5 hours. How long would it take 5 employees to wash the same number of vehicles?