ALGEBRA 1

Name_____

2-6 PRACTICE WORKSHEET

Date_____

Convert the given amount to the given unit.

1. $12\ inches\ to\ cm;\ (1\ inch = 2.54\ cm)$

2. $9\ hours\ to\ minutes$

3. $10\ m\ to\ feet;\ (1\ m = 3.28\ feet)$

4. $45\ feet\ to\ yards$

5. A plumber needs to replace 20 feet of copper piping. When he gets to the supply store, the lengths of all of the products are measured in meters.

a. How many meters are in 1 foot? 1 foot = _____ m

b. How many meters of piping does he need to purchase?

6. An athletic director is laying out a rectangular soccer field to be 60 m wide and 95 m long.

a. How many yards are in 1 meter? 1 meter = _____ yards

b. What are the dimensions of the field to the nearest whole yard?

Complete each conversion.

7. 1 gallon = _____ quarts ;   1 minute = _____ seconds

$$9\ \frac{gal}{sec} = \underline{\hspace{3cm}} \frac{qts}{min}$$

8. 1 mile = _____ m ;   1 hour = _____ minutes;   1 minute = _____ seconds

$$10\ \frac{mi}{hour} = \underline{\hspace{3cm}} \frac{m}{sec}$$

Determine each unit rate.

9. Jimmy earn $102 in 8 hours.

10. The tub filled with 12 gallons of water in 5 minutes

11. Which is a better buy, 3 pounds of apples for $8.31 or 5 pounds for $12.95. Explain.