ALGEBRA 1
2-7 PRACTICE WORKSHEET

Name_____

Date_____

Solve each proportion.

1. $\dfrac{3}{4} = \dfrac{a}{12}$

2. $\dfrac{x}{5} = \dfrac{2}{3}$

3. $\dfrac{4}{n} = \dfrac{6}{7}$

4. $\dfrac{h}{-14} = \dfrac{5}{-2}$

5. $\dfrac{2}{j+3} = \dfrac{4}{5}$

6. $\dfrac{p+1}{6} = \dfrac{6}{11}$

7. $\dfrac{5}{n-12} = \dfrac{-1}{n}$

8. $\dfrac{4v-2}{8v} = \dfrac{2}{3}$

9. Jennifer is ordering a cake for her wedding reception. If one cake will feed 18 people, how many cakes does she need to order for 150 people?

    a. Define a variable._____

    b. Write a ***PROPORTION*** and solve.

    c. Answer in a sentence._____

10. Julie is drawing a map of her hometown. She knows that City Hall is 3 miles down the street from the Fire Station. If the scale for the map is 0.25 inches : 0.5 miles, how many inches should be between City Hall and the fire station on the map?

    a. Define a variable._____

    b. Write a ***PROPORTION*** and solve.

    c. Answer in a sentence._____

11. On the football team, two out of every seven players are seniors. If the team has 84 players, how many of the players are NOT seniors.

    a. Define a variable._____

    b. Write and solve an equation.

    c. Answer in a sentence._____