Get ready for Geometry! Show work on separate paper.

_____ 1. Is 112 prime or composite?
  a. composite   b. prime

Find the greatest common factor of the numbers.

_____ 2. 14 and 38
  a. 5   b. 6   c. 2   d. 4

_____ 3. Identify the fraction that is equivalent to $\frac{5}{7}$.

  a. $\frac{25}{28}$ b. $\frac{20}{35}$ c. $\frac{30}{35}$ d. $\frac{25}{35}$

Find the value of x that completes the statement.

4. $\frac{2}{5} = \frac{8}{x}$

Write the fraction in simplest form.

5. $\frac{14}{24}$

Add or subtract. Write each answer in simplest form.

6. $\frac{5}{12} - \frac{3}{12}$

7. $\frac{1}{5} + \frac{2}{12}$

Multiply or divide. Write your answer in simplest form.

8. $\frac{3}{6} \times \frac{7}{10}$

9. $\frac{5}{12} \div \frac{2}{8}$

10. Write 50% as a decimal.

11. Solve equation: $3 = x + 3$

12. Solve equation: $x - 2 = -3$

13. Solve equation: $3.4 = 2x$

   What is the solution of the equation?

____ 14. $-7 = \dfrac{h}{5}$

   a. $-\dfrac{7}{5}$

   b. 35

   c. 12

   d. -35

____ 15. $-9 = \dfrac{5}{17}n$

   a. $-\dfrac{153}{5}$

   b. $-\dfrac{5}{153}$

   c. $-\dfrac{17}{45}$

   d. $-\dfrac{45}{17}$

   What is the solution of the equation?

16. $\dfrac{6}{7}x - 8 = 7$

17. $2 = 6p - 8 - 5p$

18. $-6y + 14 + 4y = 32$

19. $3(y - 5) + 2 = 5$

20. $\dfrac{4p}{6} + 27 = 39$

21. $6x - 3 = 5x - 5$

22. $6 - t = 2t$

23. John and 2 friends are going out for pizza for lunch. They split one pizza and 3 large drinks. The pizza cost $12.00. They spend a total of $16.95. Find the cost of one large drink.

   What is the given amount converted to the given units?

24. 195 s; minutes

25. 144 ft; inches