Algebra R Summer Assignment
Name_____ ID: 1

Must Show ALL WORK for credit

Date_____ Period____

Find each sum.

1) $4.4 + 5.6$

2) $6.5 + 2.3$

3) $5.8 + 6.9$

4) $\dfrac{1}{3} + 4\dfrac{3}{8}$

5) $\dfrac{1}{6} + 3\dfrac{2}{7}$

6) $\dfrac{3}{4} + \dfrac{4}{5}$

7) $3\dfrac{4}{7} + 2\dfrac{3}{8}$

8) $3\dfrac{1}{6} + 2\dfrac{1}{2}$

9) $3\dfrac{1}{4} + 3\dfrac{2}{5}$

Simplify each expression.

10) $6v - 2 + 1 + 7v$

11) $1 - 10p - 8p$

12) $-7x - 4x$

13) $1 + 8r + r - 2$

14) $9x + 4 + 6x - 9$

15) $7(1 - x)$

16) $-2(1 - 9b)$

Find each quotient.

17) $-3\dfrac{7}{9} \div \dfrac{-10}{7}$

18) $-3\dfrac{8}{9} \div 5\dfrac{1}{3}$

Solve each equation.

19) $18 = \dfrac{x}{13}$

20) $-17 = \dfrac{x}{9}$

21) Elisa wants to buy a sweater for $11. She gives the cashier $20. How much change does she receive?

22) Last Friday Castel had $28.87. Over the weekend he received some money for a good report card. He now has $37.78. How much money did he receive?

Solve each proportion.

23) $\dfrac{7}{2} = \dfrac{8n}{9}$

24) $\dfrac{8}{5} = \dfrac{6}{x}$

Solve each equation.

25) $-4 - 4k = 32$

26) $-8x - 3 = -51$

27) Jose spent half of his weekly allowance on candy. To earn more money his parents let him weed the garden for $7. What is his weekly allowance if he ended with $11?

28) Totsakan had some candy to give to his five children. He first took two pieces for himself and then evenly divided the rest among his children. Each child received three pieces. With how many pieces did he start?

Sketch the graph of each line.

29) $y = 10x + 5$
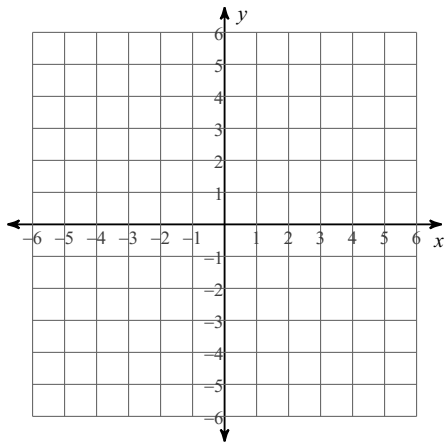
Find the GCF of each.

30) 36, 24

31) 36, 28

32) 18, 45

Round each to the place indicated.

33) 0.389719

34) 5.13043

35) 8,419.59

36) 82,403.1