Algebra 1 Summer Assignment		Name:			
Summer Assi	gnment	Date:_	Hour:		
Directions:	Please circle your final answers. Show This assignment is due the first day of s				
Perform the indicated operation					
1. 12 · 5	2.5+(-9)	3.7-(-3)	4. - 7 · 7		
563 ÷ 9	6. 14 + 17	7. (-8) · (-3)	8. $-8 \div -2$		

Write the fraction in simplest form.

9. $\frac{24}{40}$ 10. $\frac{6}{33}$ 11. $\frac{36}{63}$ 12. $\frac{36}{6}$

Combine the two fractions. Be sure to have common denominators. Simplify final answer.

13.
$$\frac{5}{12} + \frac{6}{12}$$

14. $\frac{3}{5} - \frac{1}{5}$
15. $\frac{7}{3} + \frac{4}{3}$
16. $\frac{5}{7} - \frac{5}{7}$
17. $\frac{8}{3} + \frac{1}{6}$
18. $\frac{3}{4} - \frac{1}{2}$
19. $\frac{3}{5} + \frac{7}{10}$
20. $\frac{4}{3} - \frac{3}{5}$

Multiply or divide the two fractions. Simplify final answer.

21.
$$\frac{2}{3} \cdot \frac{3}{5}$$

22. $\frac{5}{6} \cdot \frac{1}{2}$
23. $\frac{5}{7} \cdot \frac{3}{5}$
24. $\frac{7}{2} \cdot \frac{3}{4}$
25. $\frac{1}{5} \div \frac{3}{2}$
26. $\frac{3}{5} \div \frac{2}{5}$
27. $\frac{3}{8} \div \frac{7}{4}$
28. $\frac{2}{9} \div \frac{3}{1}$

Simplify the following by using order of operations.

29. $7^2 + 3^2$ **30.** $8^2 + 6^2$ **31.** $130 - (7 + 4)^2$

32.
$$5 + \frac{2}{3}(7+8)$$
 33. $\frac{(5+4)^2}{3}$ 34. $130 - 7 + 4^2$

35. $17 \div (5^2 - 8)$ 36. $2 + 9 \div 3 - 5$ 37. $15 \div 3 + 21 \div 7$

Evaluate the expression. Simplify all answers.

38. 7x when
$$x = 5$$
 39. $\frac{12}{x}$ when $x = 6$ 40. 3 + 5x when $x = 8$

41.
$$\frac{3}{2} + x$$
 when $x = \frac{5}{2}$ 42. $1\frac{5}{6} + 2x$ when $x = \frac{1}{6}$ 43. $3x^2$ when $x = 4$

Round the decimal to the indicated place value.

44. 9.5367, tenth	45. 3.0761, hundredth	46. 3.964 <i>,</i> tenth
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Identify the reciprocal of the following numbers

Simplify the expression by combining like terms.

51.
$$5x + 7x$$
 52. $3x^2 + 2x - 5x^2 + 7x$ 53. $6x + 4y - 4x + 3y$

54.
$$3x + 5 + 10$$
 55. $3x^2 + 6x + 7 - 2x$ 56. $5y - 4y + 2 - 2$

Write the following fractions as percents

57.
$$\frac{3}{4}$$
 58. $\frac{4}{5}$ 59. $\frac{19}{20}$ 60. $\frac{7}{10}$