

Combine Like Terms Homework**Name:** _____**Simplify each of the following expressions:**

1) $5m + 3m + 8m$	
2) $6 + 2x - 2 + x$	
3) $r + t + 4r - t$	
4) $4a + b + 2a + a + 2b$	
5) $x + y + 4 + 3x$	
6) $2m + 3n - m + n$	
7) $2x^2 + 3x + x^2 + 3x$	
8) $2q + r - 4r + 2s + q$	
9) $7 - x^2 - 5 + x^2 - 2$	
10) $b^2 + 4b + 3 + b^2 + 6$	
11) $9 + x^2 + x - 5 + 3x$	
12) $a + 2b + 3c - a + b + c$	

Integers!

Name: _____

Class: _____

Date: _____

Simplify the following problems:

1. $2 + (-10) =$

2. $-12 - 3 =$

3. $-9 + (-11) =$

4. $-4 - (-6) =$

5. $10 + 14 =$

6. $2 - 15 =$

7. $-5 + 7 =$

8. $14 - (-2) =$

9. $\frac{-48}{6} =$

10. $\frac{-36}{-9} =$

11. $(-2)(5)(3)(-2) =$

12. $\frac{18}{-3} =$

13. $\frac{55}{11} =$

14. $15(-3) =$

Simplify for $a = -2$, $b = 3$, $c = -1$

13. $abc - ac$

14. $a^2 + b^2$

15. $\frac{ab}{c}$

Order of Operations, More Review

Name: _____

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Simplify each of the problems below:

1. $12 + 12 \div 4 + 2 =$

2. $\frac{(4 + 1)^3}{29 - 2^2} =$

3. $10^2 - 8^2 + (8 \div (5 - 1)) =$

4. $2[16 + (9 - 15)] =$

5. $\frac{8(2 + 14 \div 2)}{2^2} =$

6. $20 - 10 \div 2 + 3 =$

7. $40 \div 2(6 + 4) \div 2 =$

8. $\frac{3^2 + 2(18 - 3)}{4^2 - 3} =$

9. $(18 - 6)\frac{9 + 3^2}{(10 - 7)^2} =$

10. $[2(8 - 3)^2]^2 =$

Name _____

Fraction Review - Show work

1. $(1\frac{3}{4})(2\frac{2}{3}) =$ _____

2. $(3\frac{1}{3})(1\frac{1}{6}) =$ _____

3. $(2\frac{5}{6})(1\frac{1}{3}) =$ _____

4. $(2\frac{3}{4})(1\frac{3}{11}) =$ _____

5. $1\frac{7}{8} + 2\frac{2}{3} =$ _____

6. $3\frac{5}{6} + 1\frac{3}{4} =$ _____

7. $(3\frac{6}{7}) \div (1\frac{3}{14}) =$ _____

8. $(2\frac{5}{9}) \div (4\frac{3}{5}) =$ _____

9. $(3\frac{5}{8}) \div (2\frac{5}{12}) =$ _____

10. $(5\frac{1}{3}) \div (2\frac{2}{3}) =$ _____

10. $1\frac{7}{8} - \frac{3}{4} =$ _____

11. $3\frac{3}{10} - 1\frac{4}{5} =$ _____

12. $4\frac{1}{6} - 2\frac{7}{12} =$ _____