

Name _____ Date _____

Equations Review

Simplify the expression.

1) $-15m + 9m$

2) $19a - 7 - 3a + 12a$

3) $25 - 6x - 12 - 2x$

4) $8k + 2(4 - 3k)$

Find the sum or difference.

5) $(3n - 1) + (4 - n)$

6) $(-3r + 8) + (5r - 1)$

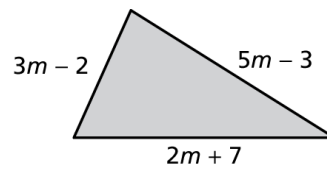
7) $6(x - 3) + (2x - 9)$

8) $(k + 3) - (3k - 5)$

9) $(-6d + 2) - (7 + 2d)$

10) $(3x + 8) - 6(2x - 3)$

- 11) Write an expression that represents the perimeter of the triangle.



Solve the equation.

12) $5 = n + 9$

13) $b - 6 = -14$

14) $-6.4 = x + 4.3$

15) $k - \frac{1}{3} = \frac{5}{6}$

16) $-7n = 35$

17) $\frac{y}{-3} = 33$

18) $-3t = -4.2$

19) $\frac{1}{5}d = -3$

20) $3k - 2 = 10$

21) $-1 - 5h = 14$

22) $7c - 2c = 45$

23) $-2(m + 1) = 10$

Write the word sentence as an equation. Then solve.

24) 11 more than a number q is negative 15.

25) The difference of a number m and 30 is 10.

26) One-third of a number t is equal to 7.