Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sect \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8th Grade – Algebraic Equations Review:

Combine Like Terms:

4r + 3r – 5 2s + 5 + 3s 7p – 9p + 8

4x + 3y – x + 8y – 2 7g – 5h + 2g 4f + 9f – f2 + x

Solve :

9q + 3q = 48 11z – 8z = 39 a + 8a = 81

11y – 8y + 5 = 20 18k + 3k – 17 = 67 4m – 9m = 50

4 (r + 2) + 5r = 26 -2x – 7 + 3x = 10 7 (f – 4) – 14 = 0

Solve:

$\frac{3g}{5}$ – 1 = 13 – $\frac{4g}{5} $ 3 (4k – 2) = 24k $\frac{2}{3}m$ – $\frac{1}{2}$ (2m – 5) = 34

Literal Equations:

The formula for perimeter of a square is p = 4s. Express this formula in terms of s.

To convert degrees Celsius to degrees Fahrenheit we use the formula F = $\frac{9}{5} $ C + 32. Solve this equation for C.

Solve:

Four consecutive numbers add up to 54. What are the four numbers?

Fitness Center charges a monthly fee of $30 plus $2 for every visit. Strength Club charges a monthly fee of $10 plus $6 per visit. Find the number of visits for which both fees would be equal.