Algebra 1 Bellwork Thursday, October 2, 2014

1. The sum of four consecutive odd numbers is -189. Write and solve an equation to find these three numbers.

2. Find the exact solution.

$9M + 23 = 6M$

3. Find the exact solution.

$5 - 2(W + 6) = 4 + W - 13 - 3W$

4. Find the exact solution

$8 + 2(5C - 7) = 7C + 1 + 3C - 7$

5. Find the exact solution.

$\frac{11}{12} - \frac{7}{6}C = \frac{23}{9}$

Algebra 1 Bellwork Thursday, October 2, 2014

1. The sum of four consecutive odd numbers is -189. Write and solve an equation to find these three numbers.

$x + (x+2) + (x+4) + (x+6) = -184$

$4x + 12 = -184$

$-12 \quad -12$

$4x = -196$

$x = -49$

$-49, -47, -45, -43$

2. Find the exact solution.

$9M + 23 = 6M$

$-9M \quad -9M$

$23 = -3M$

$M = -23/3$

3. Find the exact solution.

$5 - 2(W + 6) = 4 + W - 13 - 3W$

$5 - 2w - 12 = 4 + w - 13 - 3w$

$-2w - 7 = -2w - 9$

$+2w \quad +2w$

$-7 = -9$

False

NO SOL

4. Find the exact solution

$8 + 2(5C - 7) = 7C + 1 + 3C - 7$

$8 + 10C - 14 = 7C + 1 + 3C - 7$

$10C - 6 = 10C - 6$

$-10C \quad -10C$

$-6 = -6$

TRUE

ALL REAL #'s

5. Find the exact solution.

$\frac{11}{12} - \frac{7}{6}C = \frac{23}{9}$

$36\left(\frac{11}{12} - \frac{7}{6}C\right) = \left(\frac{23}{9}\right)36$

$33 - 42C = 92$

$-33 \quad -33$

$-42C = 59$

$-42 \quad -42$

$C = 59/-42$