Solving Equations Notes

Week 1 part 1

- ✓ **Step 1:** _____ if needed.
- ✓ **Step 2:** _____ each side of the equation.
- ✓ **Step 3:** _____ all variables terms to one side.
- ✓ **Step 4:** _____ the remaining 2-step equation.

1) $5y - 8 = 3y + 12$

2) $-6x + 14 = 12 - 8x$

3) $3(6p - 1) = 11p - 45$

4) $2(4w - 1) = -10(w - 3) + 4$

5) $5x - (x - 18) = 6 - 2(x + 15)$

6) $8(y + 4) - 2(y - 1) = 70 - 3y$

These notes will help you with problems #1-6 on your assignment that’s due by Friday at midnight.

Solving Literal Equations Notes

Week 1 part 2

Hints to help:

- Think backwards PEMDAS
- Remove fractions by multiplying by the reciprocal.
- Last step is USUALLY to divide by whatever is next to your variable.

7) $C = 2\pi r$ solve for r

8) $m = c - s$ solve for c

9) $D = \frac{m}{v}$ solve for m

10) $K = \frac{mv^2}{2}$ solve for m

11) $P = 2L + 2W$ solve for W 12) $A = P + Prt$ solve for t

13) Solve $C = \frac{5}{9}(F - 32)$ for F

14) Solve $A = \frac{1}{2}h(b_1 + b_2)$ for b_1

These notes will help you with problems #7-10 on your assignment that’s due by Friday at midnight.