

Mixed Practice. Solve these equations by using the two steps:

1. If there are addition or subtraction **signs**, add opposite to both sides of equation to get the variable term by itself.
2. If there is a **coefficient** (number) on the variable, divide both sides of the equation by **that** coefficient (number).

ADD OPPOSITE TO GET RID OF **SIGN**; DIVIDE BY SAME NUMBER TO GET RID OF **COEFFICIENT**.

1. $3x + 5 = 17$
add (-5)

$$3x =$$

Divide by 3

$$x =$$

2. $45 - t = 10$

3. $4x + 5 = -2$

4. $-5x - 6 = 16$

5. $8 = 4 - 2x$

6. $-91 = 9 + 3t$

7. $3m - 4 = 11$

8. $-1 = 5 - 3t$

9. $4 = 5m + 8$

Combining like terms. If like terms occur on the same side of the equation, combine the before you use the two steps.

1. $3x + 4x = -14$
combine terms $7x = -14$
divide by 7 $x = -2$

2. $-10y - 3y = -13$

3. $4y = 5 - (-12)$

4. $4 + 3x - 6 = 4$

5. $2 = 3x + 5x - 2$

6. $-4x + 2x + 1 = -9$