6 steps to solving equations:

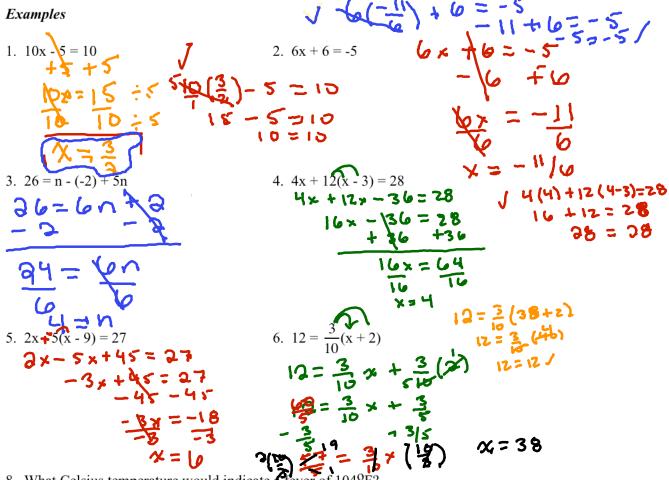
Section 3.3 Solving Multi-Step Equations

Solving a linear equation may require 2 or more transformations. Here are some guidelines:

- 1. simplify one or both sides of the equation (if needed)
- 2. Use inverse operations to isolate the variable.

1. distribute

- 2. Combine like terms
- 3. add/subtract constant
- 4. mult/divide coefficeint
- 5. Simplify fraction (i do not
- want to see any mixed numbers!)
 - 6. check you work



8. What Celsius temperature would indicate a fever of 104°F?

$$C = 40^{\circ}C$$

 $\frac{7}{5}C + 32 = 104$
 $32 - 32$
 $32 - 32$
 $32 - 32$
 $32 - 32$
 $32 - 32$
 $32 - 32$

9. Air temperature drops about $3^{\circ}F$ for each 1000 ft increase in altitude. If the air temperature at sea level is 77°F, at what altitude would yo expect the temperature to be $53^{\circ}F$?

5 %

=-77 + 53