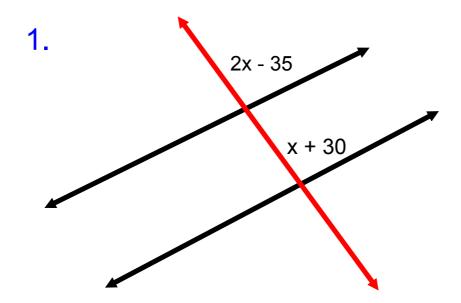
# Solve for x and the indicated angles



$$2x - 35 = x + 30$$
  
 $2x - x = 30 + 35$   
 $x = 65$ 

#### Angle #1

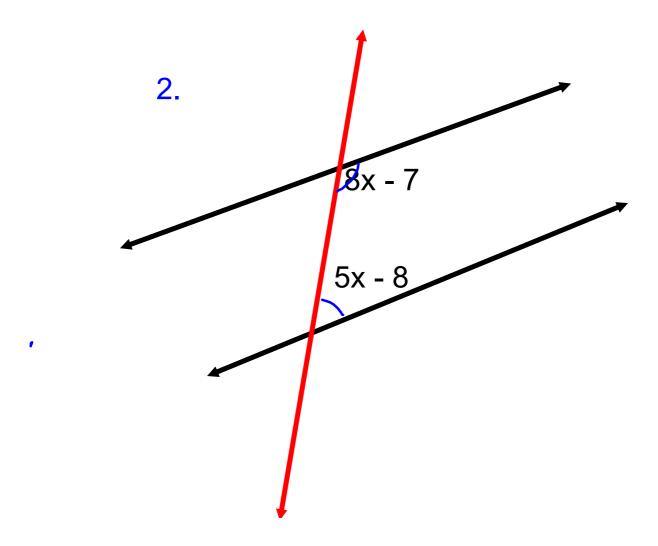
$$= 95^{\circ} \sqrt{}$$

## Angle #2

$$x + 30$$

$$65 + 30$$

$$= 95^{0} V$$



 $113 + 67 = 180^{0}$ 

$$\begin{array}{c}
8x - 7 \\
13x - 15 = 180 \\
13x = 180 + 15 \\
\underline{13x} = 195 \\
13 \\
x = 15
\end{array}$$

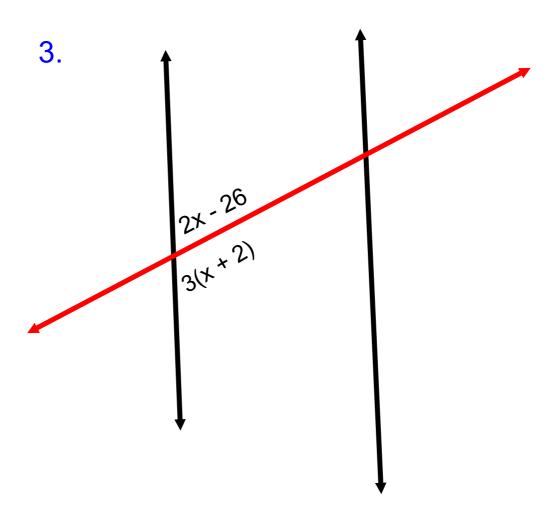
#### Angle #1

# Angle #2

$$8x - 7$$

$$= 113^{0}$$

$$=67^{0}$$



$$2x - 26 + 3(x + 2) = 180$$

$$2x - 26 + 3x + 6 = 180$$

$$5x - 20 = 180$$

$$5x = 180 + 20$$

$$5x = 200$$

$$x = 40$$

#### Angle #1

### Angle #2

$$2x - 26$$

$$3(x + 2)$$

$$3(x + 2)$$
  $54 + 126 = 180^{0}$ 

$$3(40 + 2)$$

$$= 54^{0}$$

$$=126^{0}$$