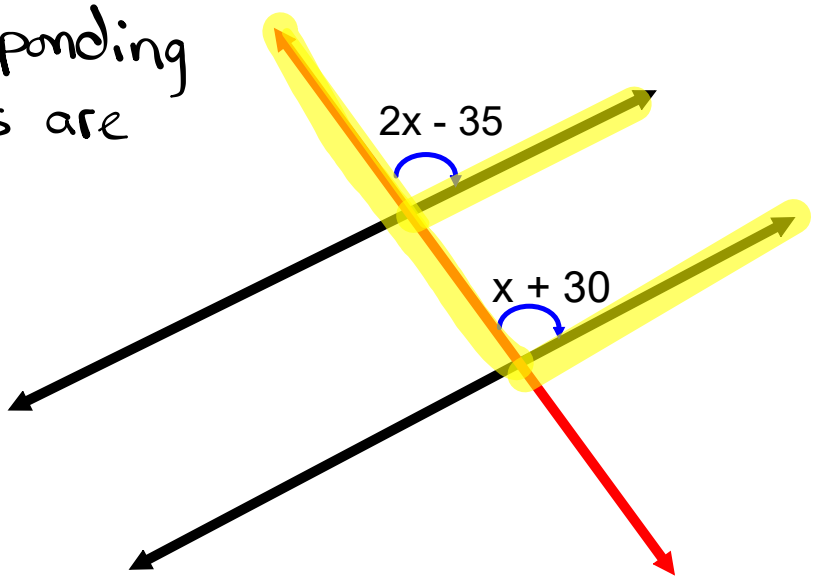
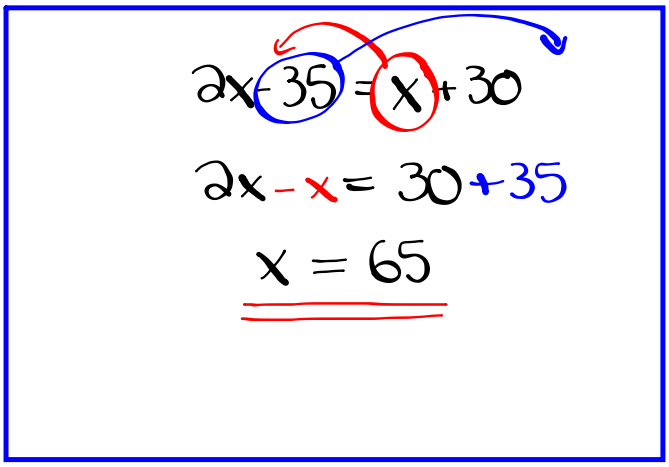
1. Solve for x and the indicated angles

Corresponding Angles are equal





Angle #1

$2x - 35$

$2(65) - 35$

$130 - 35$

$= 95^0$

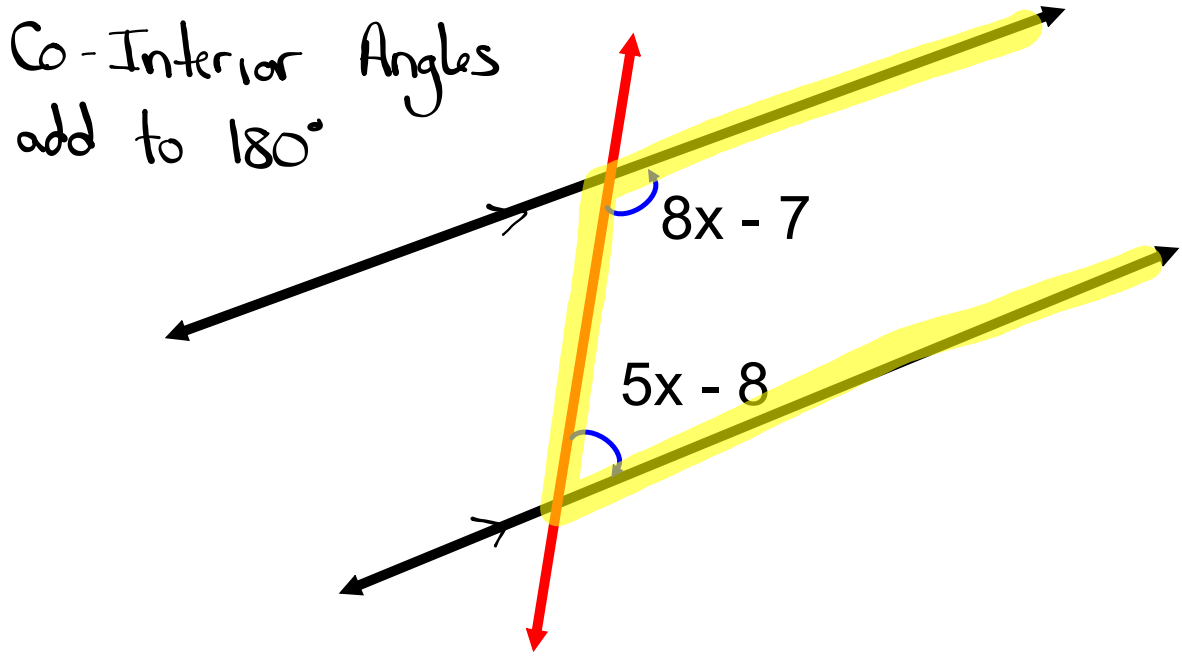
Angle #2

$x + 30$

$65 + 30$

$= 95^0$

2. Solve for x and the indicated angles



$$8x - 7 + 5x - 8 = 180$$

$$13x - 15 = 180$$

$$13x = 180 + 15$$

$$\frac{13x}{13} = \frac{195}{13}$$

$$x = 15$$

Angle #1

$8x - 7$

$8(15) - 7$

$120 - 7$

$= 113^0$

Angle #2

$5x - 8$

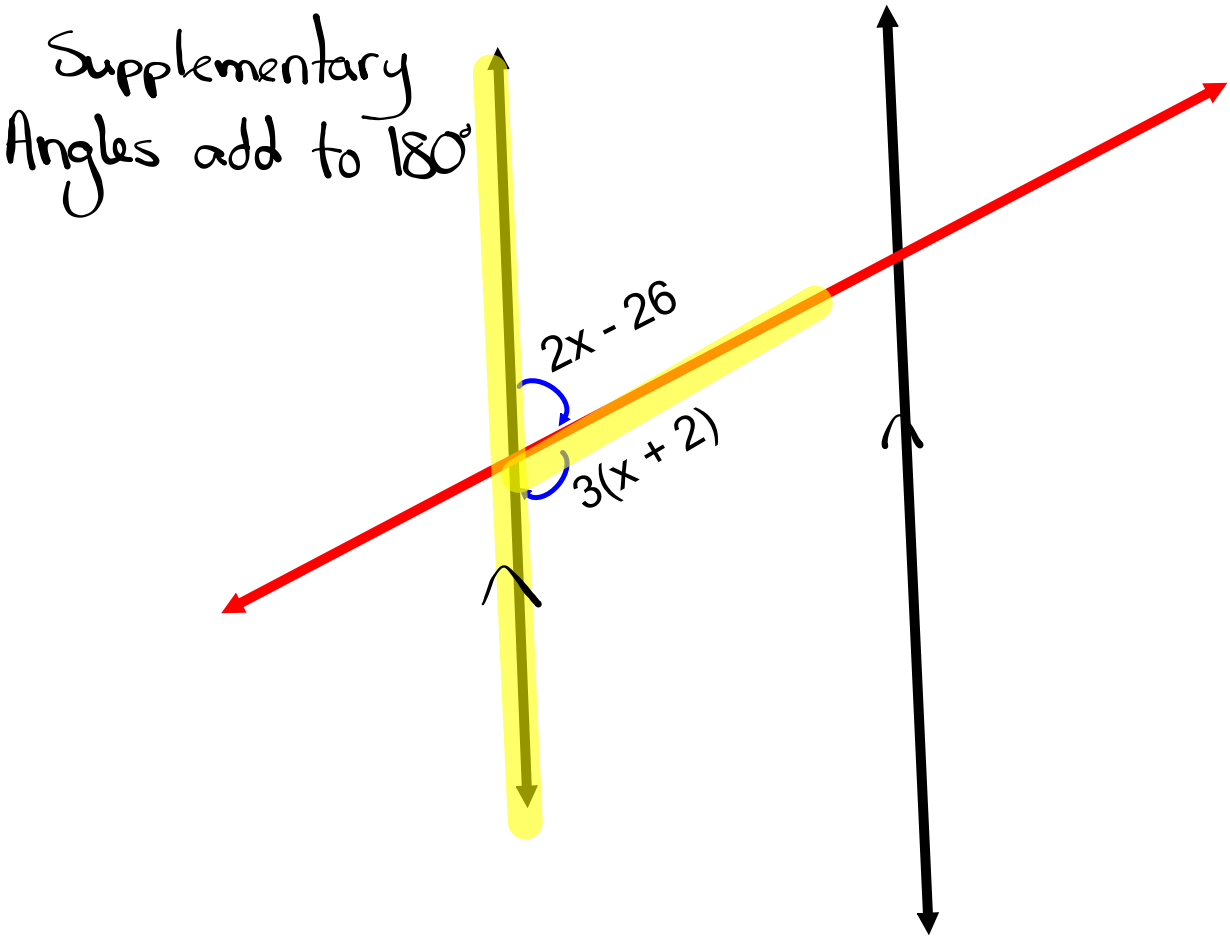
$5(15) - 8$

$75 - 8$

$= 67^0$

$113 + 67 = 180^0$

3. Solve for x and the indicated angles



$2x - 26 + 3(x + 2) = 180°$

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

$5x - 20 = 180$

$5x = 180 + 20$

$\frac{5x}{5} = \frac{200}{5}$

$x = 40$

Angle #1

$2x - 26$

$2(40) - 26$

$80 - 26$

$= 54^0$

Angle #2

$3(x + 2)$

$3(40 + 2)$

$3(42)$

$= 126^0$

$54 + 126 = 180^0$

Homework

Finish worksheet