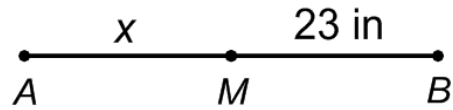# Ch. 2 Concept Review Sheet

**Bisected Segments**
**The segments are equal (=)

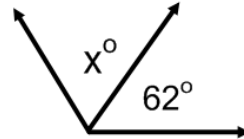$$AM = MB$$

*(M is the midpoint of $\overline{AB}$)*

**Bisected Angles**
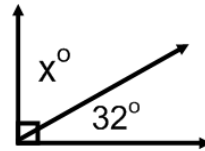**The angles are equal (=)

$$\angle 1 = \angle 2$$

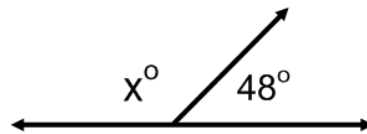**Complementary Angles**
**These angles add up to 90°

$$\angle 1 + \angle 2 = 90$$

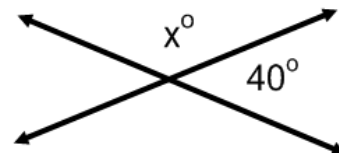**Supplementary Angles**
**These angles add up to 180°

$$\angle 1 + \angle 2 = 180$$

**Linear Pair (These Angles are Supplementary)**
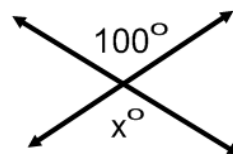**These angles add up to 180°

$$\angle 1 + \angle 2 = 180$$

**Vertical Angles**
**These angles are equal (=)

$$\angle 1 = \angle 2$$

# Midpoint Formula:

Between Points $(x_1, y_1)$ and $(x_2, y_2)$

Midpoint $= \left( \dfrac{x_1 + x_2}{2}, \ \dfrac{y_1 + y_2}{2} \right)$

# Distance Formula:

Between Points $(x_1, y_1)$ and $(x_2, y_2)$

Distance $= \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$