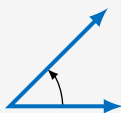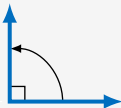# 1. Analytic Geometry

1.1 Angles
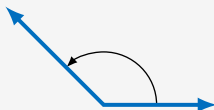
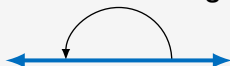**Definition 1.1.1 – Acute Angle.** An angle is **acute** if it is between 0° and 90°

Definition 1.1.2 – Right Angle. An angle is a **right angle** if it equals 90°

Definition 1.1.3 – Obtuse Angle. An angle is **obtuse** if it is between 90° and 180°.

Definition 1.1.4 – Straight Angle. An angle is a **straight angle** if it equals 180°.

1.2   Similar Triangles

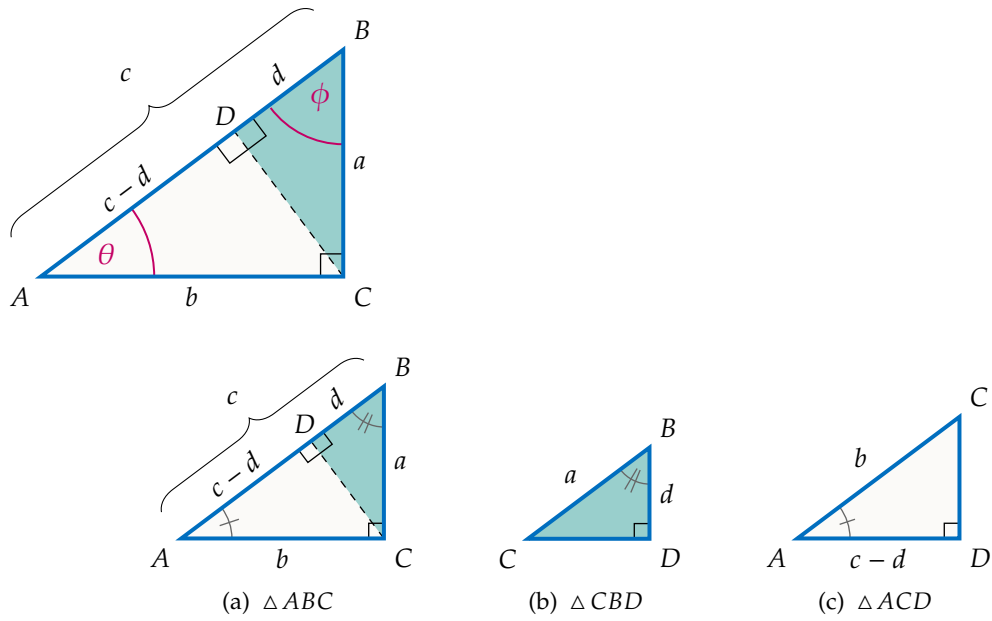(a) $\triangle ABC$ (b) $\triangle CBD$ (c) $\triangle ACD$

Figure 1.1:   Similar triangles $\triangle ABC$, $\triangle CBD$, $\triangle ACD$