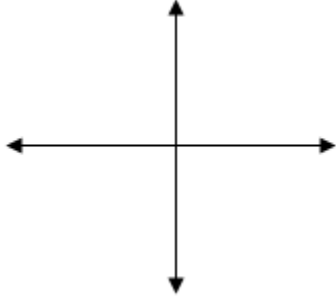# Formative #23 – Angles in Standard Position and Special Angles
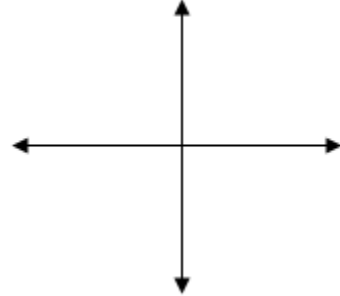
T1.4: I can sketch, an angle (positive or negative, in degrees or radians) in standard position.
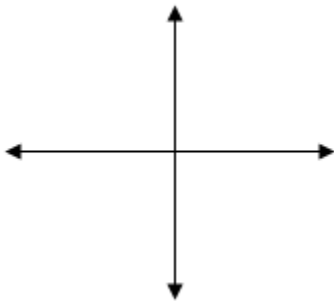
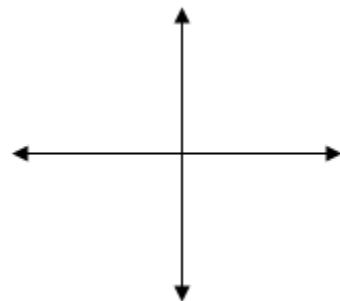1. Draw the following angles in standard position.

a) 236°

b) -910°

c) $\frac{5\pi}{3}$

d) 0.67

T1.5: I can determine the principal angle for a set of coterminal angles.

2. The angles given below are coterminal angles. Determine the principal angle.

$$-396° \qquad\qquad 684°$$

T1.7: I can write the general form of the measures, in degrees or radians, of all of the angles that are coterminal with a given angle in standard position.

3. Write a general expression for all of the angles coterminal with 82°.

T1.6: I determine the measures, in degrees or radians, of all angles in a given domain that are coterminal with an angle in standard position.

4. Determine all angles that are coterminal with the angle in the given domain. *Express your radian fractions.*

$$\frac{7\pi}{6}, \quad -3\pi \leq \theta \leq 4\pi$$