Secondary Math 3   Name_____

9.2 Angles and the Unit Circle   Date_____ Period_____

Find the measure of each angle.

1)
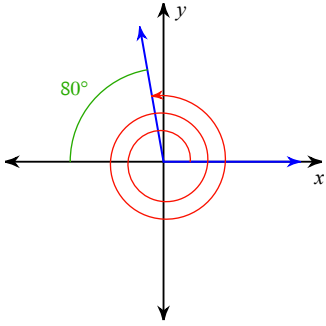
2)
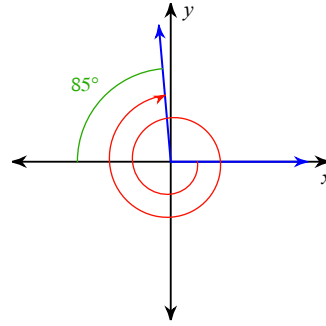
3)
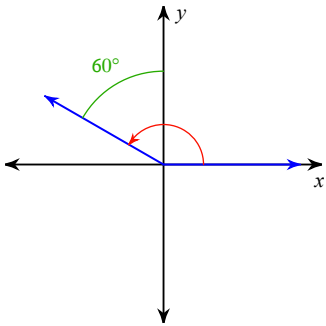
4)
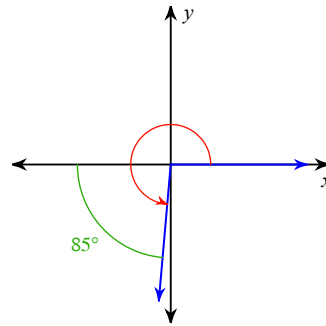
5)

6)

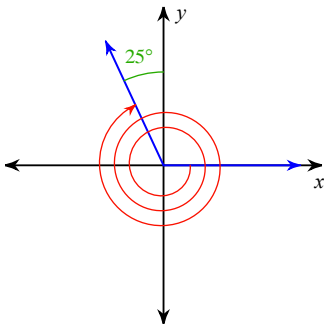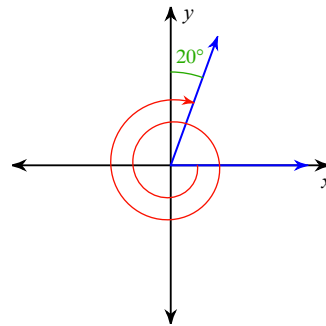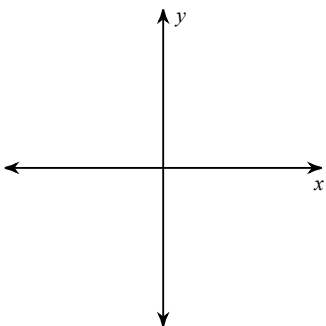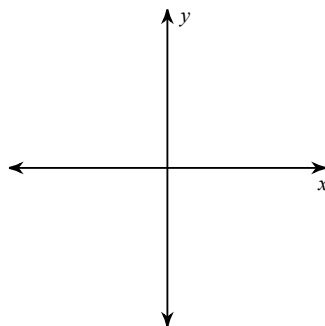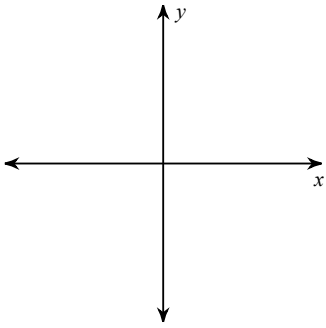**Draw an angle with the given measure in standard position.**

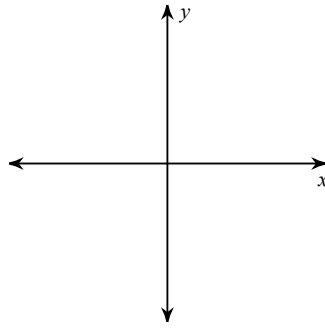7) −60°

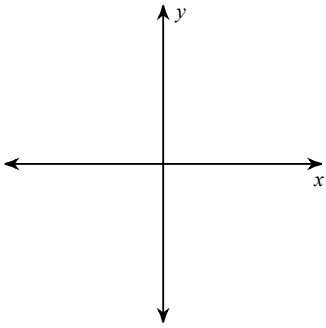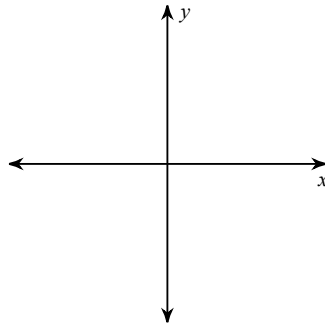8) 40°

9) −280°

10) 230°

11) −220°

12) 310°

State if the given angles are coterminal.

13) 10°, −370°

14) 130°, 490°

15) 60°, 780°

16) 360°, 160°

List three coterminal angles for the following angle measures. Be sure at least one of them is negative.

17) 525°

18) −20°

19) −175°

20) 225°

21) –130°   22) 570°

Evaluate the following. Give the exact value.

23) $\cos 960°$ 24) $\cos -495°$

25) $\sin 585°$ 26) $\sin 750°$

27) $\sin -180°$ 28) $\cos -60°$

29) $\sin 60°$ 30) $\cos 270°$

31) $\sin -225°$ 32) $\sin -210°$

33) $\cos 225°$ 34) $\cos -225°$