Name _____ **Date** _____ **Period** _____
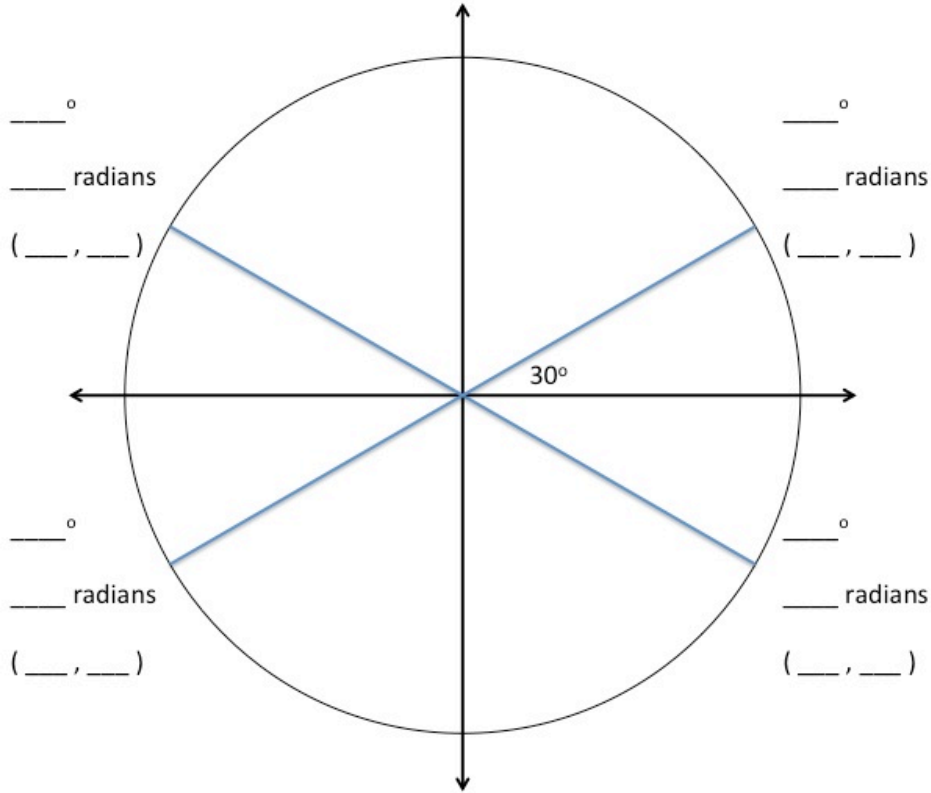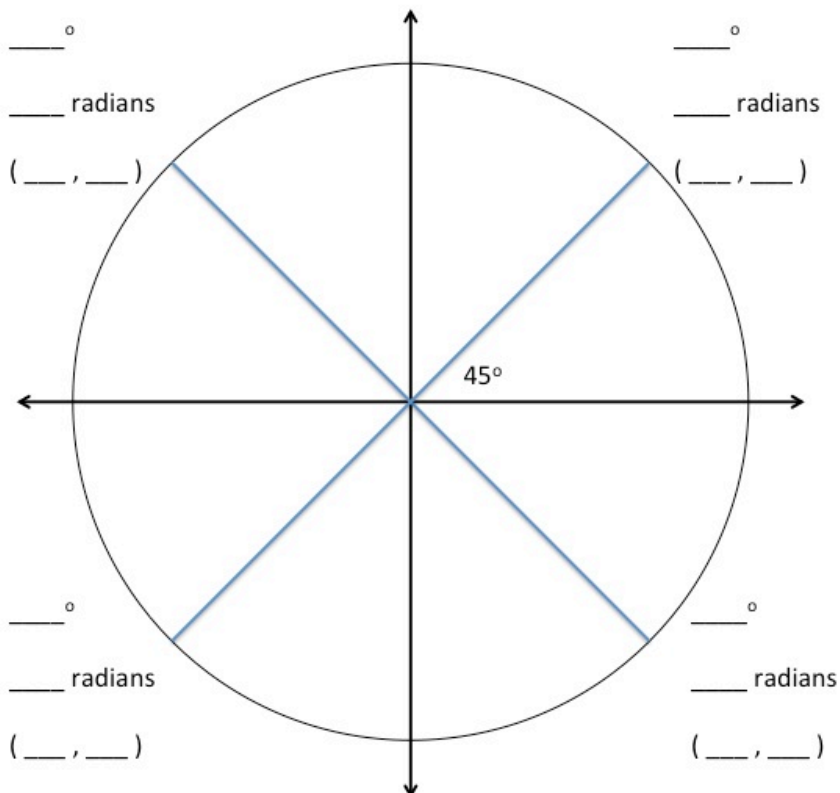
Practice: Special Right Triangles in the Unit Circle

Give the angle measure in both radians and degrees at each indicated angle. Also complete the ordered pair for the indicated reference angles.
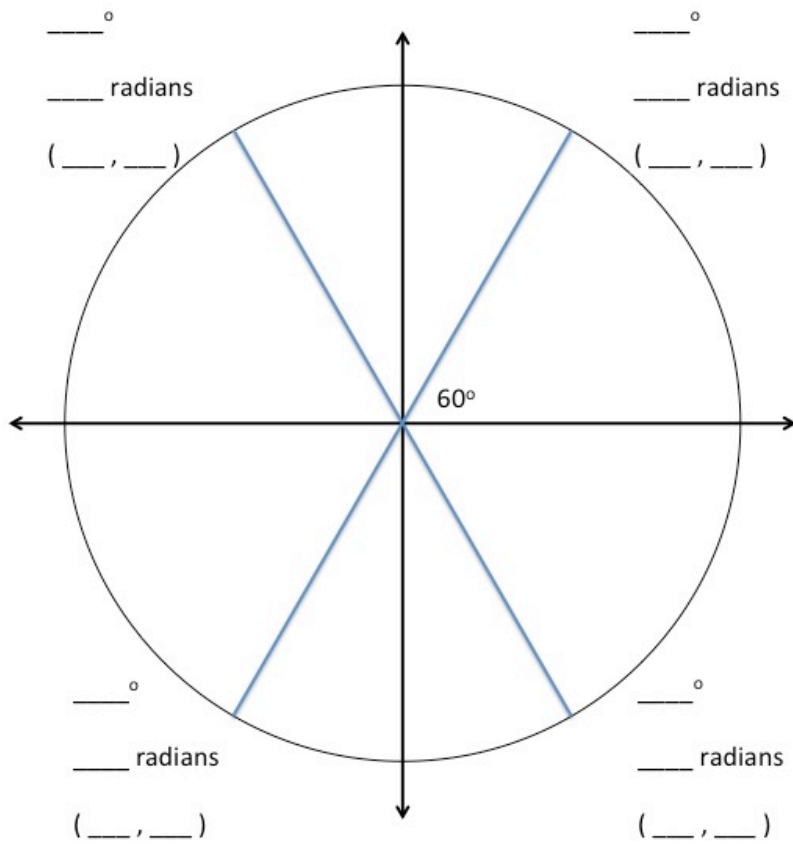
1.

_____°

_____ radians

(___ , ___)

_____°

_____ radians

(___ , ___)

30°

_____°

_____ radians

(___ , ___)

_____°

_____ radians

(___ , ___)

2.

_____°

_____ radians

(___ , ___)

_____°

_____ radians

(___ , ___)

45°

_____°

_____ radians

(___ , ___)

_____°

_____ radians

(___ , ___)

3.

Use special right triangle properties to write each trigonometric ratio as a simplified fraction.

4. $\sin 30^o =$ _____ 5. $\sin 60^o =$ _____

6. $\tan 60^o =$ _____ 7. $\cos 45^o =$ _____

8. $\cos 60^o =$ _____ 9. $\tan 30^o =$ _____