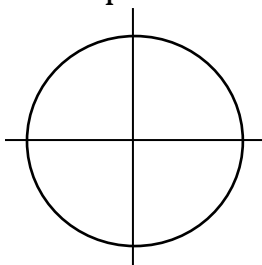


PAP Precalculus
Radians & Degrees HW

Name: _____

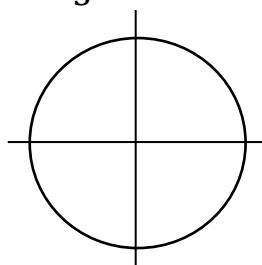
Sketch each angle in standard position and state the quadrant and reference angle (in the same measure as the given angle.)

1. $\frac{3\pi}{4}$



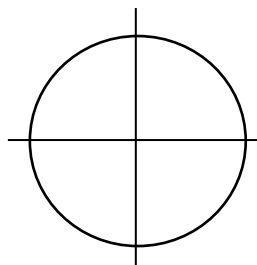
Ref. _____

2. $\frac{4\pi}{3}$



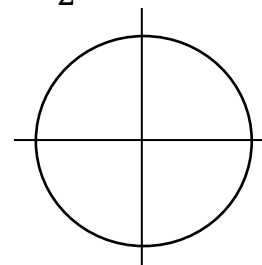
Ref. _____

3. $-\frac{7\pi}{4}$



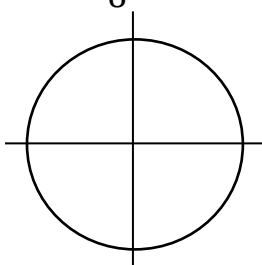
Ref. _____

4. $-\frac{5\pi}{2}$



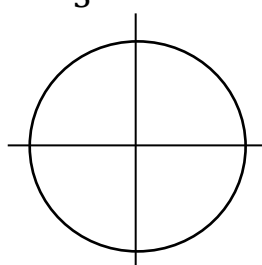
Ref. _____

5. $\frac{11\pi}{6}$



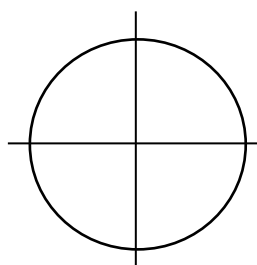
Ref. _____

6. $\frac{2\pi}{3}$



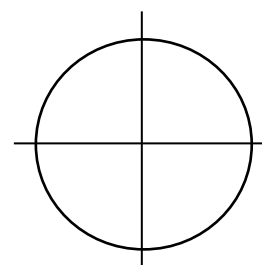
Ref. _____

7. 4



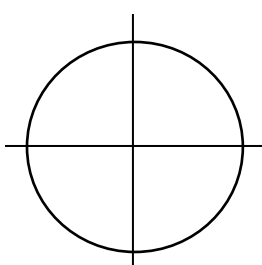
Ref. _____

8. -3



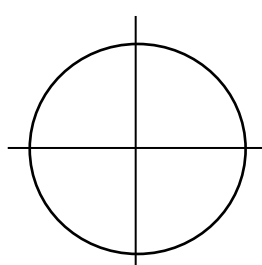
Ref. _____

9. 150°



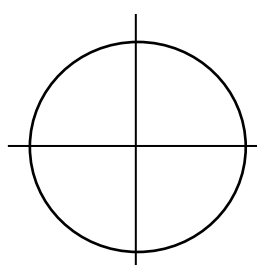
Ref. _____

10. -270°



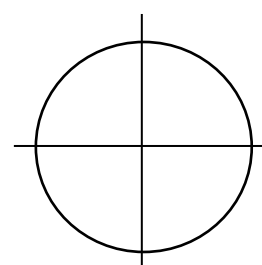
Ref. _____

11. 405°



Ref. _____

12. -450°



Ref. _____

Determine two coterminal angles (one positive and one negative) for each angle. Answers can vary. Answers need to be in the same measure as the given angle.

13. $\frac{2\pi}{3}$

14. $-\frac{9\pi}{4}$

15. $-\frac{2\pi}{15}$

16. -36°

17. -390°

18. 114°

Rewrite each angle in degree measure.

19. $\frac{3\pi}{2}$

20. $-\frac{7\pi}{6}$

Rewrite each angle in radian measure in the following ways:

a) in terms of π

b) the rounded decimal equivalent (round to three decimal places)

21. 150°

22. -270°

a)

a)

b)

b)