

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.

1. $\frac{\pi}{6}$	2. $\frac{2\pi}{3}$	3. $-\frac{9\pi}{4}$
4. $-\frac{2\pi}{15}$	5. 52°	6. -36°
7. 300°	8. -390°	9. 114°

Rewrite each angle in degree measure.

10. $\frac{3\pi}{2}$	11. $-\frac{7\pi}{6}$	12. -4π	13. $-\frac{13\pi}{60}$
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Rewrite each angle in radian measure in the following ways:

a) in terms of π

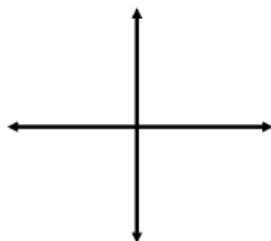
b) the rounded decimal equivalent (round three decimal places)

14. 150°	15. -270°	16. -240°	17. 20°
a)	a)	a)	a)
b)	b)	b)	b)

Sketch the angle in standard position and give one positive coterminal angle and one negative coterminal angle.
Angle measures are in radians.

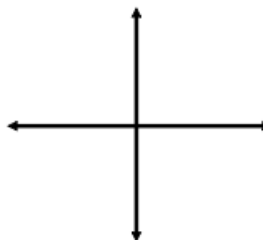
5) $\frac{11\pi}{6}$

positive:
negative:



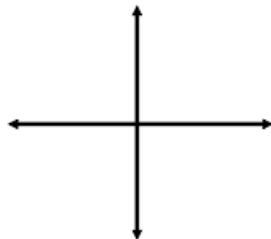
6) $\frac{5\pi}{2}$

positive:
negative:



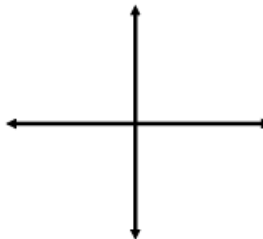
7) $\frac{3\pi}{2}$

positive:
negative:



8) 5

positive:
negative:



Find the complement of each angle in radian measure.

9) $\frac{\pi}{12}$

10) $\frac{\pi}{3}$

11) 3

Find the supplement of each angle in radian measure.

12) $\frac{\pi}{12}$

13) $\frac{\pi}{3}$

14) 3

Convert each measure to radians.

15) 532°

16) 345°

17) 120°

18) -84.3°