

# Reference and Coterminal Angles

1) State other coterminal angles for  $\frac{13\pi}{18}$ .

- a)  $\frac{25\pi}{9}$       b)  $-\frac{23\pi}{18}$       c)  $\frac{85\pi}{18}$       d)  $-\frac{59\pi}{18}$

2) Which of the following is a reference angle of  $252^\circ$ ?

- a)  $38^\circ$       b)  $27^\circ$       c)  $72^\circ$       d)  $58^\circ$

3) What are the coterminal angles of  $320^\circ$ ?

- a)  $680^\circ, -40^\circ$       d)  $135^\circ, -405^\circ$

4) Are the angles  $135^\circ$  and  $-405^\circ$  coterminal?

- a) yes, they are coterminal      b) no, they are not coterminal

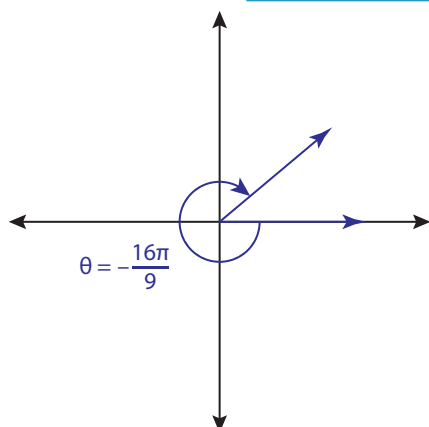
5) Which of the following is the reference angle of  $47^\circ$ ?

- a)  $93^\circ$       b)  $47^\circ$       c)  $133^\circ$       d)  $281^\circ$

6) Which of the following is the reference angle of  $\theta$ ?

- a)  $\frac{2\pi}{9}$       b)  $-\frac{52\pi}{9}$

- c)  $-\frac{34\pi}{9}$       d)  $\frac{15\pi}{9}$



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4) Are the angles  $135^\circ$  and  $405^\circ$

a) ~~yes, they are~~

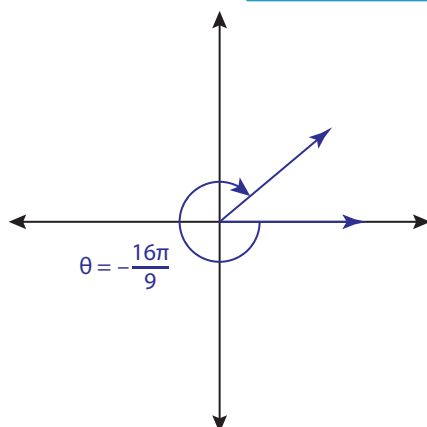
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