

SATPREP

Coterminal angles

Find a positive and a negative coterminal angle for each given angle.

1) 260°

2) 510°

3) -565°

4) -270°

5) -195°

6) -280°

7) 300°

8) 225°

9) $\frac{29\pi}{12}$

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

11) π

12) $-\frac{31\pi}{12}$

Positive Angle1 = Angle + 360

Positive Angle2 = Angle + 720

Negative Angle1 = Angle - 360

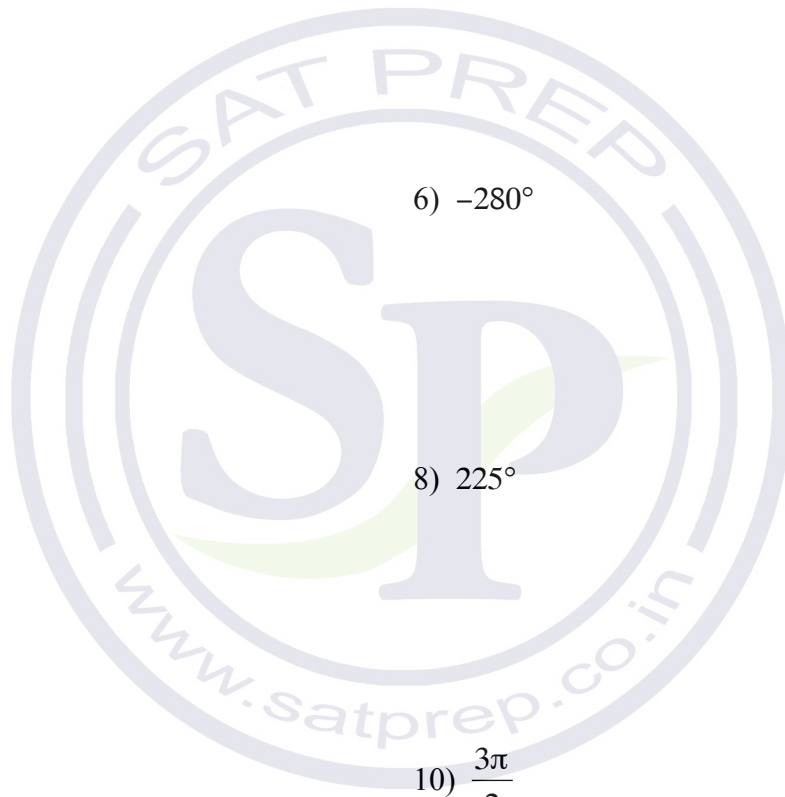
Negative Angle2 = Angle - 720

Positive Angle1 = Angle + 2pi

Positive Angle2 = Angle + 4pi

Negative Angle1 = Angle - 2pi

Negative Angle2 = Angle - 4pi



Answers to Coterminal angles

1) 620° and -100°

5) 165° and -555°

9) $\frac{5\pi}{12}$ and $-\frac{19\pi}{12}$

2) 150° and -210°

6) 80° and -640°

10) $\frac{7\pi}{2}$ and $-\frac{\pi}{2}$

3) 155° and -205°

7) 660° and -60°

11) 3π and $-\pi$

4) 90° and -630°

8) 585° and -135°

12) $\frac{17\pi}{12}$ and $-\frac{7\pi}{12}$

