



## Finding Co-terminal Angles and Reference Angles

Find a conterminal angle between  $0^\circ$  and  $360^\circ$ .

1)  $432^\circ$

2)  $-560$

3)  $-750^\circ$

4)  $862^\circ$

5)  $-430$

6)  $1230$

Find a conterminal angle between  $0$  and  $2\pi$  for each given angle.

7)  $\frac{21\pi}{8}$

8)  $-\frac{15\pi}{3}$

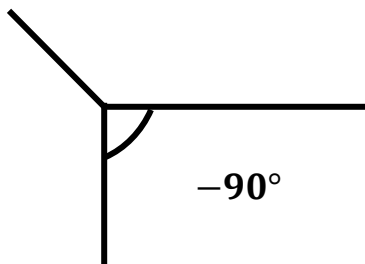
9)  $-\frac{11\pi}{6}$

10)  $\frac{23\pi}{5}$

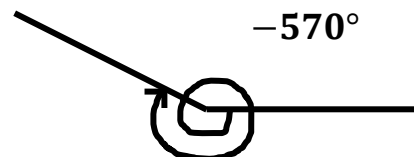


Find the reference angle.

11)



12)



QUIZ ?

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## Answers



Find a conterminal angle between  $0^\circ$  and  $360^\circ$ .

1)  $432^\circ = +72^\circ$

2)  $-560 = +160^\circ$

3)  $-750^\circ = +330^\circ$

4)  $862^\circ = 142^\circ$

5)  $-430 = +290^\circ$

6)  $1230 = +150^\circ$



Find a conterminal angle between 0 and  $2\pi$  for each given angle.

7)  $\frac{21\pi}{8} = \frac{5\pi}{8}$

8)  $-\frac{15\pi}{3} = \pi$

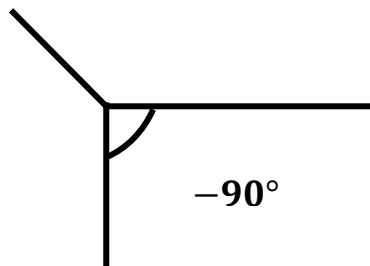
9)  $-\frac{11\pi}{6} = \frac{\pi}{6}$

10)  $\frac{23\pi}{5} = \frac{3\pi}{5}$

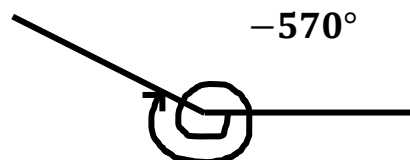


Find the reference angle.

11)  $90^\circ$



12)  $30^\circ$



QUIZ ?

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