

Practice - Angles in Degrees (13-2)

Date _____ Period _____

State the quadrant in which the terminal side of each angle lies.

1) 370°

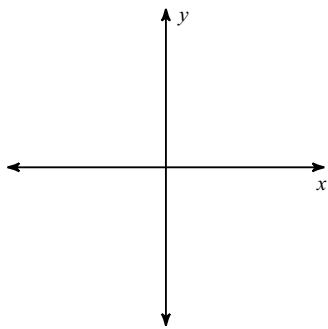
2) -165°

3) -550°

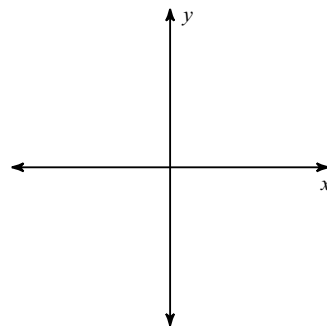
4) 325°

Draw an angle with the given measure in standard position. Show the direction of the angle.

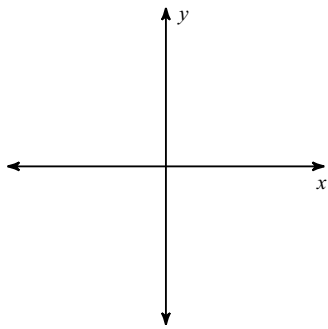
5) 290°



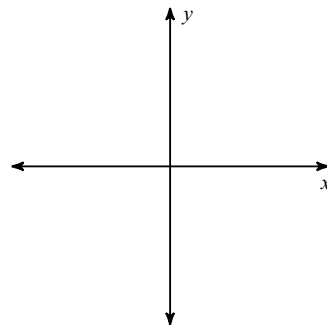
6) 510°



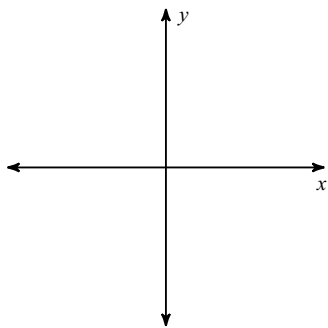
7) -575°



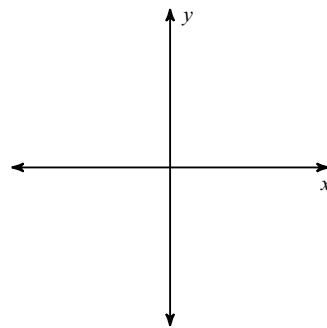
8) -440°



9) -55°

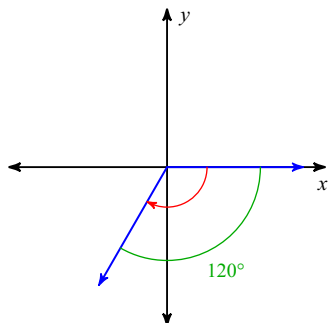


10) 200°

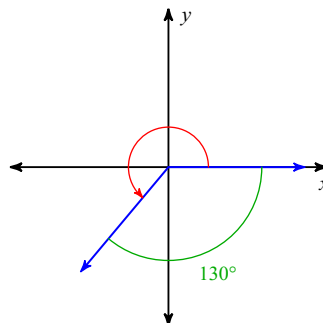


Find the measure of each angle using the given information.

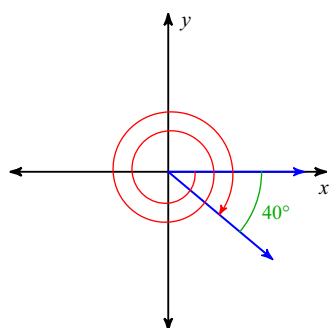
11)



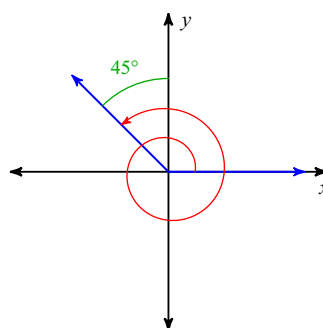
12)



13)



14)



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

15) -600°

16) -680°

17) 30°

18) -52°

19) -480°

20) 210°

Prove if the given angles are coterminal. (Show steps to justify answer)

21) $115^\circ, -475^\circ$

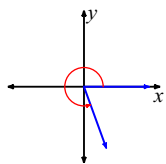
22) $85^\circ, -635^\circ$

23) $240^\circ, -600^\circ$

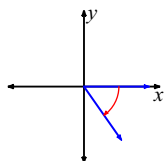
24) $340^\circ, -20^\circ$

Answers to Practice - Angles in Degrees (13-2) (ID: 1)

1) I
5)



9)

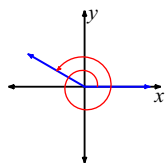


13) -760°

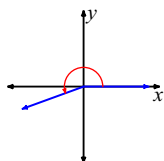
17) 390° and -330°

21) No

2) III
6)



10)

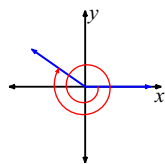


14) 495°

18) 308° and -412°

22) Yes

3) II
7)



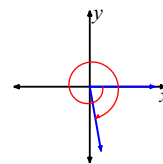
11) -120°

15) 120° and -240°

19) 240° and -120°

23) No

4) IV
8)



12) 230°

16) 40° and -320°

20) 570° and -150°

24) Yes