PreAP PreCalculus Name_____

Review of Stuff covered Pre Christmas Holiday

State if the given angles are coterminal.

1) 250°, 610°

2) 295°, 95°

3) $\frac{\pi}{12}, \frac{49\pi}{12}$

4) $\frac{2\pi}{3}, -\frac{8\pi}{3}$

Find a coterminal angle between 0° and 360°.

5) −435°

6) 705°

Find a coterminal angle between 0 and 2π for each given angle.

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

8) $\frac{101\pi}{36}$

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

9) −580°

10) 214°

11) $\frac{7\pi}{6}$

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

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

13) −600°

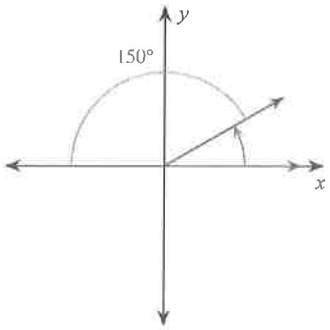
14) 410°

15) $\frac{\pi}{6}$

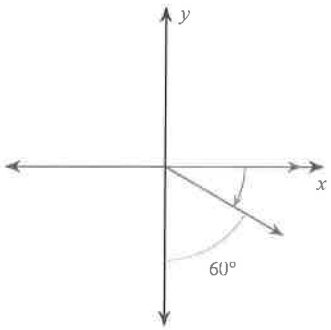
16) $\frac{15\pi}{4}$

Find the measure of each angle.

17)



18)



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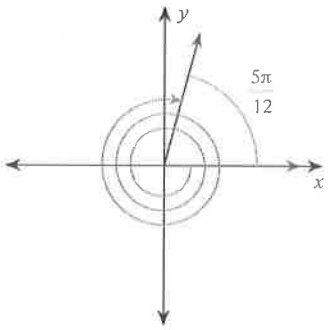
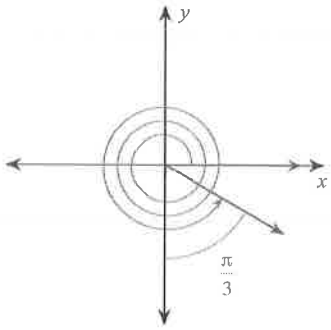
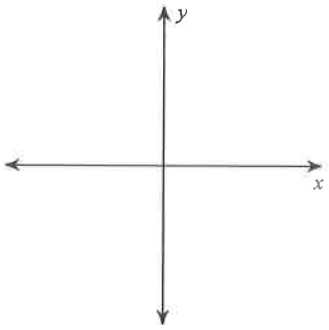


20)

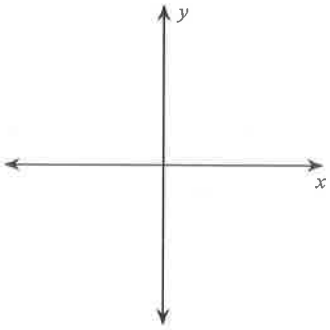


Draw an angle with the given measure in standard position.

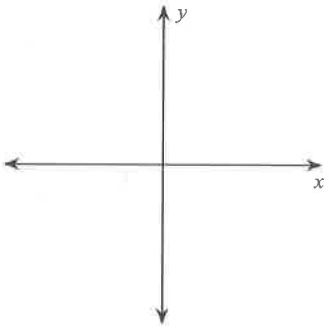
21) $-605°$



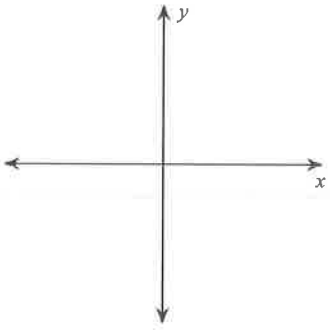
22) $70°$



23) $-\frac{3\pi}{4}$



24) $\frac{29\pi}{18}$



Convert each degree measure into radians.

25) $120°$

26) $270°$

27) $-240°$

28) $-250°$

Convert each radian measure into degrees.

29) $\frac{14\pi}{9}$

30) $\frac{5\pi}{3}$

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

32) $\frac{10\pi}{9}$