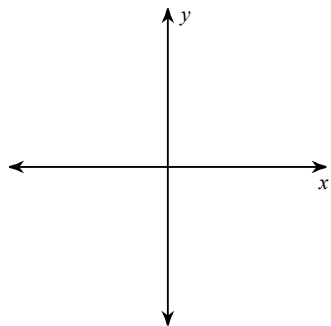


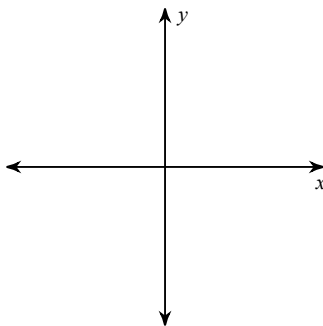
T9 Review

Draw an angle with the given measure in standard position.

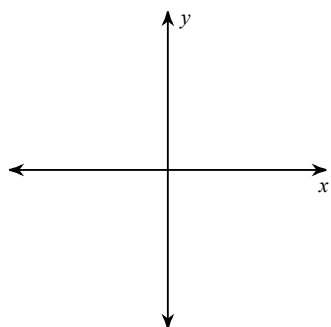
1) 290°



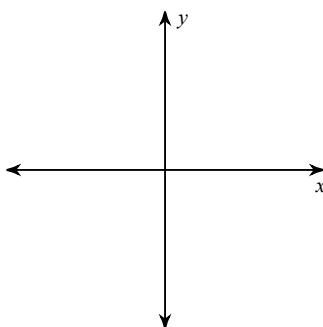
2) -685°



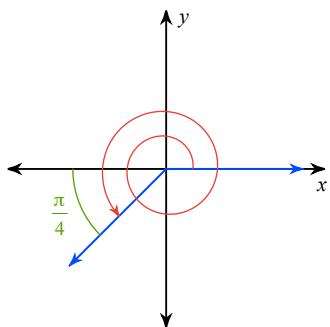
3) $-\frac{5\pi}{4}$



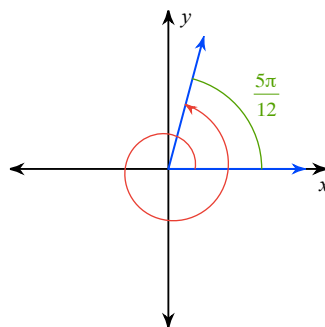
4) $\frac{49\pi}{18}$

**Find the measure of each angle.**

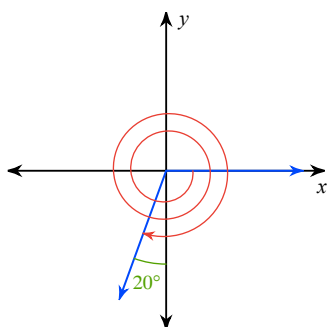
5)



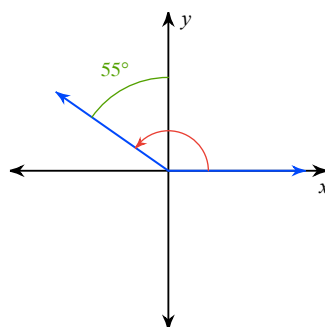
6)



7)



8)



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

9) 370°

10) $-\frac{5\pi}{4}$

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

11) 325°

12) -250°

13) $\frac{19\pi}{36}$

14) $\frac{21\pi}{10}$

State if the given angles are coterminal.

15) $\frac{\pi}{9}, -\frac{17\pi}{9}$

16) $\frac{5\pi}{6}, \frac{23\pi}{6}$

17) $80^\circ, -280^\circ$

18) $10^\circ, -350^\circ$

Find a coterminal angle between 0° and 360° .

19) 615°

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

20) $-\frac{8\pi}{9}$

Convert each radian measure into degrees.

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

22) $-\frac{5\pi}{18}$

Convert each degree measure into radians.

23) 660°

24) -230°

Using a calculator, convert each decimal degree measure into degrees-minutes-seconds.

25) 151.4725°

26) 57.34°

Using a calculator, convert each degrees-minutes-seconds into decimal degrees.

27) $116^\circ 24' 54''$

28) $47^\circ 37' 3''$

Without using a calculator, find the difference.

29) $63^\circ 23' 47''$ and $17^\circ 44' 55''$