DO ALL WORK NEATLY ON A SEPARATE SHEET OF PAPER

Draw an angle with the given measure in standard position

1) $210°$ 2) $305°$ 3) $580°$

4) $135°$ 5) $-450°$ 6) $-560°$

Find one angle with positive measurement and one angle with negative measurement coterminal with each given angle.

7) $65°$ 8) $80°$ 9) $285°$

10) $110°$ 11) $-37°$ 12) $-93°$

13) Find the degree measure of the angle through which the hour hand on the clock rotates from 5:00am to 10:00am.

Find the exact values of $\sin\theta$, $\cos\theta$, and $\tan\theta$ if the terminal side of θ in standard position contains the given point.

14) $(6, 8)$ 15) $(-20, 21)$ 16) $(-2, -5)$

Find the reference angle for the angle with the given measure.

17) $236°$ 18) $-97°$ 19) $-210°$

Find the exact value of each trigonometric function.

20) $\tan 135°$ 21) $\sin 210°$ 22) $\sin(-90°)$

Suppose θ is an angle in standard position whose terminal side is in the given quadrant. For each function, find the exact values of the functions listed.

23) Given $\tan\theta = -\dfrac{12}{5}$ in Quadrant IV, find $\sin\theta$ and $\cos\theta$.

24) Given $\sin\theta = \dfrac{2}{3}$ in Quadrant II, find $\cos\theta$ and $\tan\theta$.