

Determine in which quadrant the angle lies.

1.  $130^\circ$

2.  $8.3^\circ$

3.  $-132^\circ$

4.  $-260^\circ$

Determine two coterminal angles (one positive and one negative) for each angle.  
Give your answer in degrees.

5.  $45^\circ$

6.  $120^\circ$

7.  $\frac{7\pi}{3}$

8.  $\frac{7\pi}{12}$

Convert each angle into radians. Give answer in terms of pi.

7.  $30^\circ$

8.  $315^\circ$

9.  $-20^\circ$

10.  $-270^\circ$

Convert each angle into degrees.

11.  $\frac{3\pi}{2}$

12.  $\frac{-7\pi}{12}$

13.  $\frac{7\pi}{3}$

14.  $\frac{11\pi}{6}$

Convert to radians. Round to the nearest thousandth.

15.  $115^\circ$

16.  $87.4^\circ$

Convert to degrees. Round to the nearest thousandth.

17.  $\frac{15\pi}{8}$

18.  $4.8$

19.  $-2$

Convert to decimals.

20.  $85^\circ 18' 30''$

21.  $-135^\circ 36''$

Convert to DMS form.

22.  $-345.12^\circ$

23.  $2.5$

