

Day #65 Homework

Convert each of the following degree measures into radians. Leave your answers in terms of π . State in which quadrant or on what axis the terminal side of the angle lies. Show your work.

1. 315°	2. -135°	3. 210°	4. -240°

Convert each of the following radian measures into degrees. Give your answers to the nearest thousandth of a degree, if necessary. State in which quadrant or on what axis the terminal side of the angle lies. Show your work.

5. $\frac{7\pi}{6}$	6. -3.25	7. $-\frac{13\pi}{4}$	8. $\frac{9\pi}{20}$

Draw each of the angles below in standard position. Then, find one positive and one negative co-terminal angle. If the angle is given in degrees, then all answers should be in degrees. If the angle is given in radian measure, then all answers should be in radians.

9. $\theta = -247^\circ$	10. $\theta = \frac{2\pi}{3}$
	