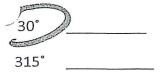
College Readiness WS Angles and their Measures

Express each angle in exact radian measure.



1128°

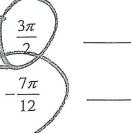
2.5° -550

17°

-14°

-302°

2. Express each angle in degree measure



1.5

 11π



3. Determine two coterminal angles (one positive and one negative) for each angle.

30



 $\theta = -36.8^{\circ}$





 $\theta = -520.1^{\circ}$

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

$$\theta = \frac{\pi}{6}$$

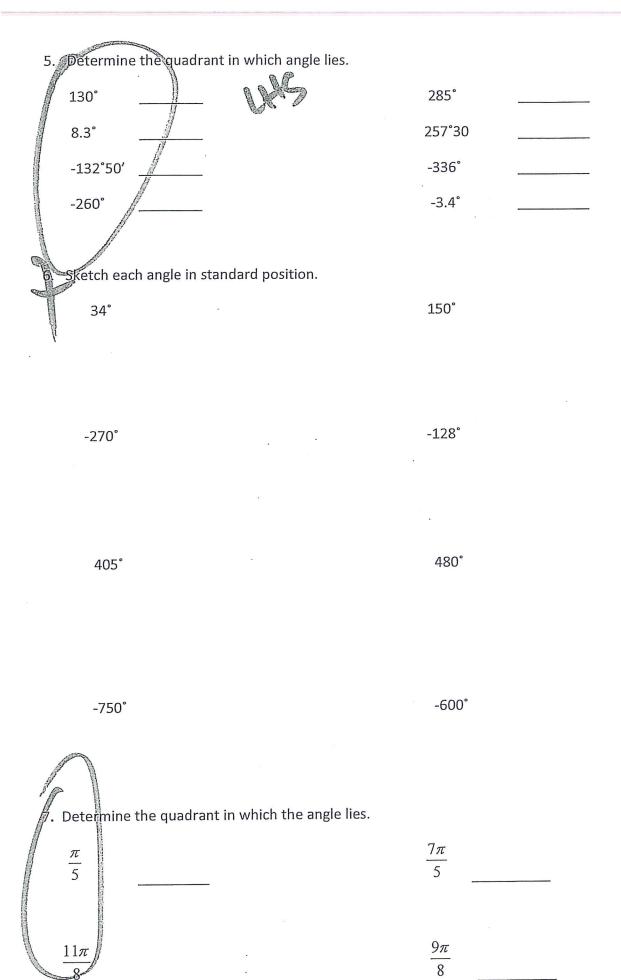
$$\theta = \frac{4\pi}{3}$$

$$\theta = \frac{2\pi}{11}$$



$$\theta = \frac{3\pi}{8}$$

$$\theta = -\frac{39\pi}{14}$$



π		
12		ŧ

 $-\frac{11\pi}{9}$

-1 /

-2 _____

8. Sketch each angle in standard position.

$$\frac{5\pi}{4}$$

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

$$-\frac{7\pi}{4}$$

$$-\frac{5\pi}{2}$$

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

7π

4

-3

9. Find the reference angle.

35°

165°

197°

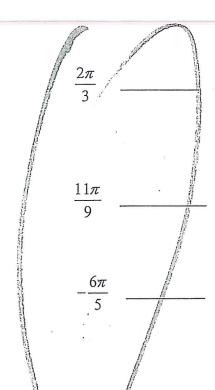
335°

-83°

-135°

574°

1260°





$$\frac{8\pi}{9}$$

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

$$-\frac{13\pi}{15} \quad -$$

$$\frac{16\pi}{5}$$

10. Find the complement and the supplement, if applicable.



$$\frac{3\pi}{8}$$
 C:

$$\frac{4\pi}{3}$$
 C: ______, S: _____

11. Sofia is spinning a wheel on a game show. There are 20 values in equal-sized spaces around the circumference of the wheel. The value that Sofia needs to win is two spaces above the space where she starts her spin, and the wheel must make at least one full rotation for the spin to count. Describe a spin rotation in degrees that will give Sofia a winning result.

