Name:

Date:

School:

Facilitator:

4.01 Radians and Degrees

The following angles are in which quadrant?

1. $\frac{π}{12}$

2. -4.35

3. -152°

4. $\frac{9π}{5}$

5. 218°

6. Find two coterminal angles, one positive and one negative, in degree measure for 120˚.

Positive:

Negative:

7. Find two coterminal angles, one positive and one negative, in radian measure for $\frac{15π}{8}$

Positive:

Negative:

8. Convert 80˚ to radians and leave answer in terms of π.

     π

9. Convert $\frac{5π}{7}$ to degrees and round answer to the nearest thousandth.

     °

10. Find the arc length and area of a sector of a circle with a radius of 11 cm and central angle of 87˚. (Round your answer to the nearest thousandth.)

arc length:

sector area: