

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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- [4] 1. Draw and **label** a standard-position angle  $\theta = -225^\circ$ . Furthermore, label the initial arm, terminal arm, the center of rotation, the direction of rotation and the number of the quadrant where the terminal arm lies.

- [4] 2. Sketch the following angles:

Acute	Reflex	Straight	Obtuse

- [4] 3. Draw and label two special triangles.

[6] 4. Point P (-3,-6) is on the terminal arm of a standard-position angle  $\theta$ . Sketch a diagram of the angle and determine the exact value of all three basic trigonometric ratios.

[2] 5. What is an angle? Explain in detail.