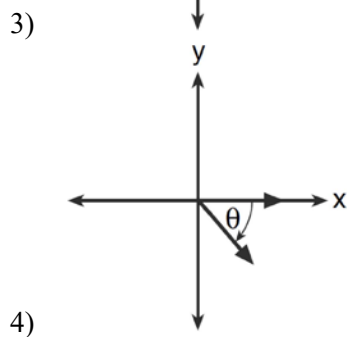
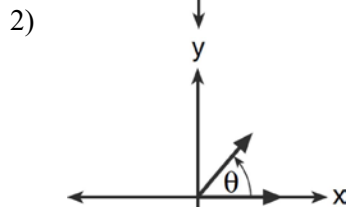
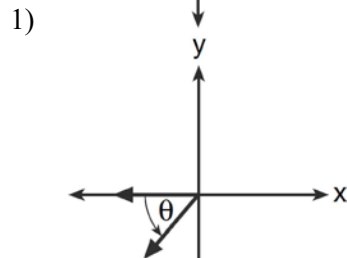
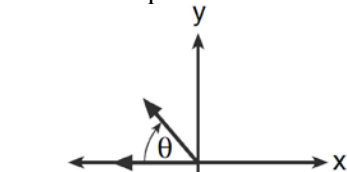
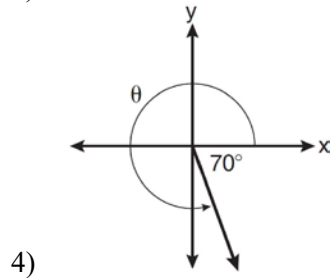
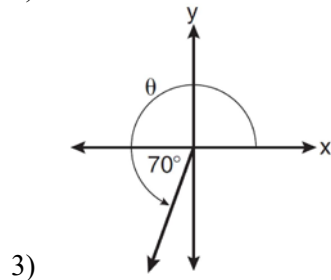
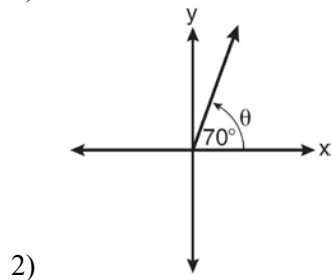
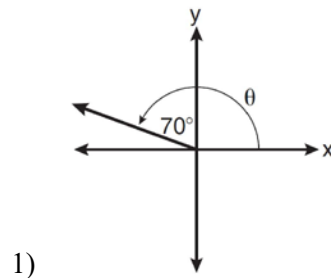


A2.A.60: Unit Circle: Sketch the unit circle and represent angles in standard position

- 1 If $m\angle\theta = -50$, which diagram represents θ drawn in standard position?



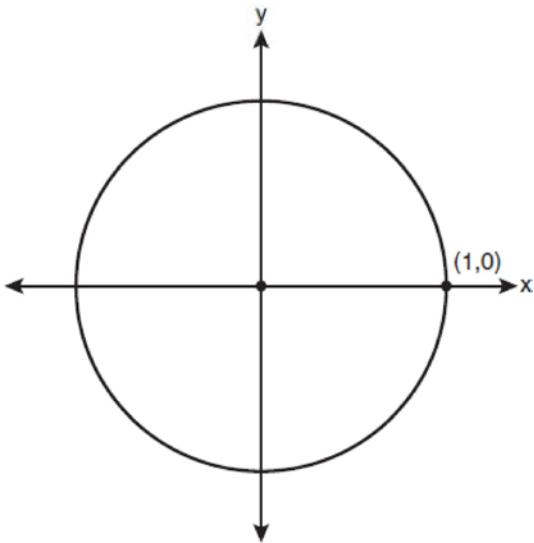
- 2 In which graph is θ coterminal with an angle of -70° ?



- 3 Which angle does *not* terminate in Quadrant IV when drawn on a unit circle in standard position?

- 1) -300°
- 2) -50°
- 3) 280°
- 4) 1030°

- 4 An angle with measure $\frac{7\pi}{4}$ radians is in standard position. In which quadrant does its terminal side lie?
- 5 An angle that measures $\frac{5\pi}{6}$ radians is drawn in standard position. In which quadrant does the terminal side of the angle lie?
- 6 An angle that measures $\frac{5\pi}{3}$ radians is drawn in standard position. In which quadrant does the terminal side of the angle lie?
- 7 On the unit circle shown in the diagram below, sketch an angle, in standard position, whose degree measure is 240° and find the exact value of $\sin 240^\circ$.



A2.A.60: Unit Circle: Sketch the unit circle and represent angles in standard position
Answer Section

1 ANS: 4 REF: 061206a2

2 ANS: 4 REF: 081005a2

3 ANS: 1
 $-300^\circ + 360^\circ = 60^\circ$, which terminates in Quadrant I.

REF: 011602a2

4 ANS:
 IV

REF: 089305siii

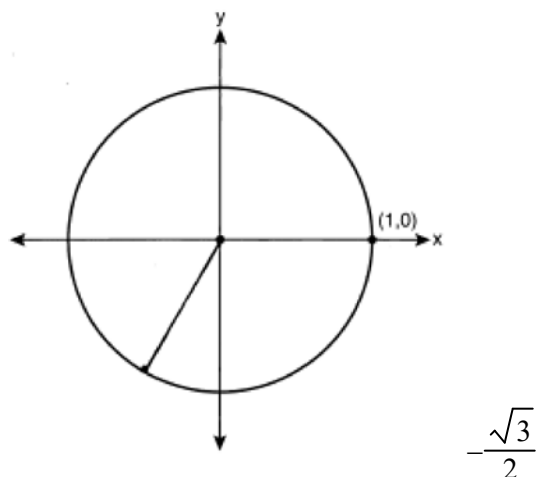
5 ANS:
 II

REF: 069602siii

6 ANS:
 IV

REF: 080005siii

7 ANS:



REF: 061033a2