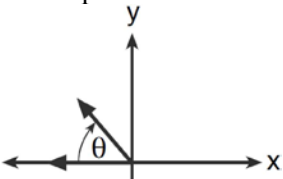
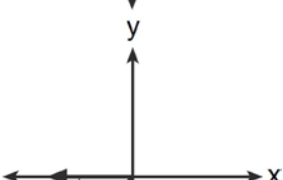
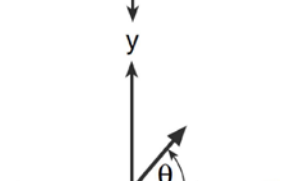
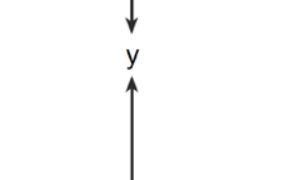
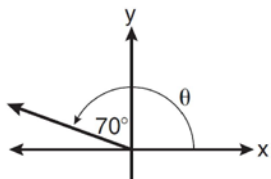
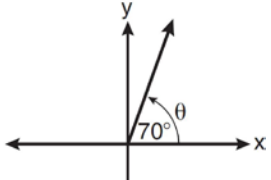
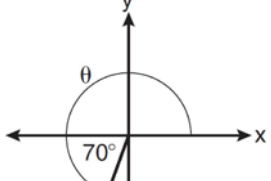
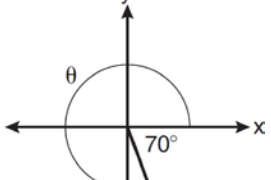


F.TF.A.1: Unit Circle

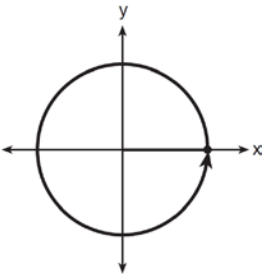
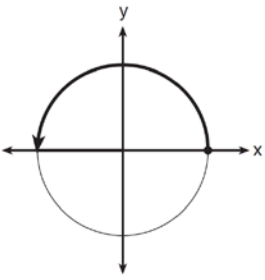
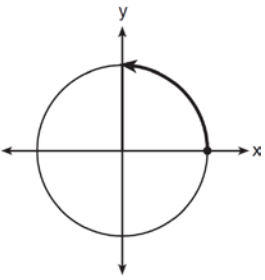
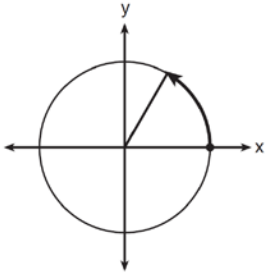
1 If $m\angle\theta = -50$, which diagram represents θ drawn in standard position?

- 1) 
- 2) 
- 3) 
- 4) 

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

- 1) 
- 2) 
- 3) 
- 4) 

- 3 Which diagram shows an angle rotation of 1 radian on the unit circle?



- 4 Which angle is coterminal with an angle of 125° ?
- 1) -125°
 - 2) -235°
 - 3) 235°
 - 4) 425°

- 5 Which angle has the same terminal side as an angle of 155° ?

- 1) -205°
- 2) -155°
- 3) 25°
- 4) 335°

- 6 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°

- 7 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?

- 8 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?

- 9 An angle with measure $\frac{7\pi}{4}$ radians is in standard position. In which quadrant does its terminal side lie?

**F.TF.A.1: Unit Circle
Answer Section**

1 ANS: 4 REF: 061206a2

2 ANS: 4 REF: 081005a2

3 ANS: 1 REF: 081616aii

4 ANS: 2

Coterminal angles differ by multiples of 360° . $125 - 360 = -235$.

REF: 080417b

5 ANS: 1

$-205^\circ + 360^\circ = 155^\circ$

REF: 061614a2

6 ANS: 1

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

REF: 011602a2

7 ANS:

II

REF: 069602siii

8 ANS:

IV

REF: 080005siii

9 ANS:

IV

REF: 089305siii