

F.TF.A.1: Radian Measure 3

- 1 Express $\frac{2\pi}{9}$ radians in degree measure.
- 2 One radian is approximately equal to
 - 1) 57° 2) 45° 3) π 4) $\frac{\pi}{2}$
- 3 Express $\frac{7\pi}{18}$ radians in degree measure.
- 4 Express in degree measure an angle of $\frac{2\pi}{5}$ radians.
- 5 Express $\frac{5\pi}{12}$ radians in degrees.
- 6 Express $\frac{2\pi}{3}$ radians in degrees.
- 7 Express $\frac{7\pi}{10}$ radians in degree measure.
- 8 Express $\frac{3\pi}{4}$ radians in degrees.
- 9 Express $\frac{7\pi}{6}$ radians in degrees.
- 10 Express 1.2π radians in degrees.
- 11 Express $\frac{7\pi}{5}$ radians in degrees.
- 12 Express in degree measure, an angle whose radian measure is $\frac{7\pi}{3}$.
- 13 Expressed in degrees, $\frac{8\pi}{3}$ is equivalent to
 - 1) 240° 2) 300° 3) 420° 4) 480°
- 14 Express 3π radians in degrees.
- 15 Express $\frac{10\pi}{3}$ radians in degree measure.
- 16 If placed in standard position, an angle of $\frac{11\pi}{6}$ radians has the same terminal side as an angle of
 - 1) -150° 2) 150° 3) -30° 4) 240°

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Answer Section

1 ANS:
40

REF: 088901siii

2 ANS: 1
 $\frac{180}{\pi} \approx 57$

REF: 018125siii

3 ANS:
70

REF: 080301siii

4 ANS:
72

REF: 068701siii

5 ANS:
75

REF: 080201siii

6 ANS:
120

REF: 089101siii

7 ANS:
126

REF: 068108siii

8 ANS:
135

REF: 018603siii

9 ANS:
210

REF: 010001siii

10 ANS:
216

REF: 019707siii

11 ANS:
252

REF: 089801siii

12 ANS:
420

REF: 088703siii

13 ANS: 4 REF: 068916siii

14 ANS:
540

REF: 089002siii

15 ANS:
600

REF: 010201siii

16 ANS: 3 REF: 010121siii