26. What is the radian measurement for 80°?

A.
$$\frac{4\pi}{9}$$

B.
$$\frac{\pi}{9}$$

C.
$$\frac{2\pi}{9}$$

D. None of the above

What is the degree measurement for $\frac{\pi}{90}$ _27.

D. None of the above

What is the radian measurement for 140°? 28.

A.
$$\frac{4\pi}{9}$$

B.
$$\frac{4\pi}{3}$$

C.
$$\frac{7\pi}{9}$$

D. None of the above

What is the degree measurement for $\frac{5\pi}{9}$? 29.

D. None of the above

30. On a unit circle, what is the point location of 30°?

A.
$$\left(\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$$

A.
$$\left(\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$$
 B. $\left(\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$

C.
$$\left(\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$$

D. None of the above

31. On a unit circle, what is the point location of -60°?

A.
$$\left(-\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$$

B.
$$\left(\frac{\sqrt{3}}{2}, -\frac{1}{2}\right)$$

A.
$$\left(-\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$$
 B. $\left(\frac{\sqrt{3}}{2}, -\frac{1}{2}\right)$ C. $\left(\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$

D. None of the above

32. On a unit circle, what is the point location of 120°?

A.
$$\left(-\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$$

B.
$$\left(-\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$$

A.
$$\left(-\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$$
 B. $\left(-\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$ C. $\left(-\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$

D. None of the above

33. On a unit circle, what is the point location of 60°?

A.
$$\left(\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$$

B.
$$\left(\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$$

A.
$$\left(\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$$
 B. $\left(\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$ C. $\left(\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$

D. None of the above

34. On a unit circle, what is the point location of 45°?

A.
$$\left(\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$$

B.
$$\left(\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$$

A.
$$\left(\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$$
 B. $\left(\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$ C. $\left(\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$

D. None of the above

35. On a unit circle, what is the point location of 210°?

A.
$$\left(-\frac{1}{2}, -\frac{\sqrt{3}}{2}\right)$$

B.
$$\left(-\frac{\sqrt{3}}{2}, -\frac{1}{2}\right)$$

A.
$$\left(-\frac{1}{2}, -\frac{\sqrt{3}}{2}\right)$$
 B. $\left(-\frac{\sqrt{3}}{2}, -\frac{1}{2}\right)$ C. $\left(-\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2}\right)$

D. None of the above

36.	On a unit circle, what is the point location of -120°?					
	$A. \left(-\frac{1}{2}, -\frac{\sqrt{3}}{2}\right)$	$B. \left(-\frac{\sqrt{3}}{2}, -\frac{1}{2}\right)$	$C. \left(-\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2}\right)$	D. None of the above		
37.	On a unit circle, what is the point location of $\frac{\pi}{4}$?					
	A. $\left(\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$	$B. \left(\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$	$C. \left(\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$	D. None of the above		
38.	On a unit circle, what is the point location of $\frac{5\pi}{6}$?					
		$B. \left(-\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$	0	D. None of the above		
39.	On a unit circle, what is the point location of $-\frac{4\pi}{3}$?					
		$B. \left(-\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$	<i>-</i> >	D. None of the above		
40.	On a unit circle, what is the point location of $\frac{3\pi}{2}$?					
	A. (1, 0)	B. (0, -1)	C. (0, 1)	D. (-1, 0)		
41.	On a unit circle, what that hits the point	at is the radian measure $(\frac{\sqrt{3}}{2}, -\frac{1}{2})$?	ement of the angle			
	A. $\frac{\pi}{3}$	B. $\frac{11\pi}{6}$	C. $\frac{5\pi}{3}$	D. None of the above		
42.	On a unit circle, what is the radian measurement of the angle that hits the point $\left(-\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2}\right)$?					
	A. $\frac{7\pi}{4}$	B. $\frac{7\pi}{6}$	C. $\frac{4\pi}{3}$	D. None of the above		

_____43. On a unit circle, what is the radian measurement of the angle that hits the point (0, 1)?

A. $\frac{\pi}{2}$

B. $\frac{3\pi}{2}$

C. *π*

D. None of the above

44.	if the angle opens counterclockwise and goes through the point (8, 1					
	A. 82.9°	B. 7.1°	C. 97.1°	D. 64.3°		
45.		with the x-axis in the interclockwise and go B. 122.5°	first quadrant pes through the point (-C. 147.5°	11, 7)? D. 158.5°		
46.	What angle is formed with the x-axis in the first quadrant if the angle opens counterclockwise and goes through the point (6, -12)? A. 296.6° B. 333.4° C. 243.4° D. 367.8°					
	N. 270.0	В. 333. 4	C. 2+J.+	D. 307.0		
47.	Which two trig functi A. Sin and Csc	ons below are NOT re B. Tan and Cot	cciprocals of one anoth C. Cos and Csc	er?		
48.	3. If 12° were located at the ordered pair (.95, .32) – it is not, which other an measurement below would have the same values, excluding the positive, negative values?					
	A. 78°	B24°	C. 168°	D. 282°		
49.	A plane is flying due East and is located at the point (1, 5). It now must turn North and head to the point (5, 20). How many degrees must it turn?					
	A. 14.9°	B. 24.7°	C. 68.3°	D. 75.0°		
50.	A plane is flying due East and is located at the point (22, 70). It now turns 77.3196° left towards the North. It travels 41 miles. Where is it now located?					
	A. (62, 79)	B (31, 79)	C. (62, 110)	D. (31, 110)		