

Yay Unit Circle – Answers

1. $\frac{\pi}{3}$
2. -72°
3. 150°
4. $\frac{7\pi}{4}$
5. $-\frac{7\pi}{12}$
6. -30°
7. $\frac{\pi}{4}$
8. 225°
9. $\frac{\sqrt{3}}{2}$
10. $\frac{1}{2}$
11. $-\frac{1}{2}$
12. $-\frac{\sqrt{3}}{2}$
13. $-\frac{1}{2}$
14. $-\frac{\sqrt{2}}{2}$
15. 1
16. -1
17. 1
18. $\frac{\sqrt{3}}{3}$
19. $\sqrt{3}$
20. $-\frac{\sqrt{3}}{2}$
21. -1
22. $\frac{\sqrt{2}}{2}$
23. $\frac{\sqrt{2}}{2}$
24. $\frac{\sqrt{3}}{2}$
25. 1
26. $\frac{1}{2}$
27. -1
28. $\theta = 30^\circ, 150^\circ$
29. $\theta = \frac{\pi}{4}, \frac{7\pi}{4}$
30. $\theta = \frac{5\pi}{4}, \frac{7\pi}{4}$
31. $\theta = 60^\circ, 120^\circ$
32. $\theta = 90^\circ, 270^\circ$
33. $\theta = \frac{3\pi}{2}$
34. $\theta = \frac{2\pi}{3}, \frac{4\pi}{3}$
35. $\theta = \frac{7\pi}{6}, \frac{11\pi}{6}$