

Trig Unit I Review Sheet Answers

1. III

2. III

3. III

4. IV

5. I

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

7. $\frac{11\pi}{9}$

8. $\frac{\pi}{12}$

9. 100°

10. -30°

11. 480°

12. True

13. False

14. False

15. False

16. False

17. 45°

18. 60°

19. 60°

20. $\frac{\pi}{4}$

21. 84°

22. $\frac{\pi}{6}$

23. 12°

24.

IV	$-\frac{4}{5}$	$\frac{3}{5}$	$-\frac{4}{3}$
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25.

II	$\frac{15}{17}$	$-\frac{8}{17}$	$-\frac{15}{8}$
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26.	-5	-12	13	$-\frac{12}{13}$	$-\frac{5}{13}$	$\frac{12}{5}$
27.	7	-24	25	$-\frac{24}{25}$	$\frac{7}{25}$	$-\frac{24}{7}$

28. $49\pi/3 \text{ cm}^2 = 51.3$

29. $24\pi \text{ cm}^2 = 75.4 \text{ cm}^2$

30. 0.91

31. 3.73

32. 0.39

33. 0.31

34. -0.47

35. 0.90

36. 43.64°

37. 169.76°

38. $\frac{\sqrt{3}}{2}$

39. $\frac{1}{2}$

40. $-\frac{1}{2}$

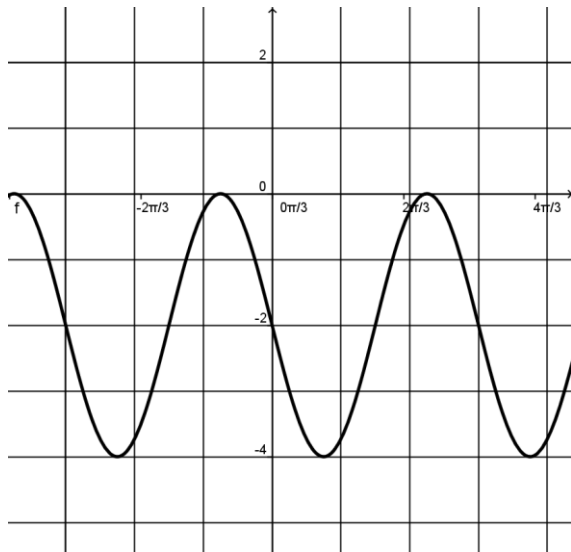
41. $-\frac{\sqrt{3}}{3}$

42. $-\frac{\sqrt{2}}{2}$

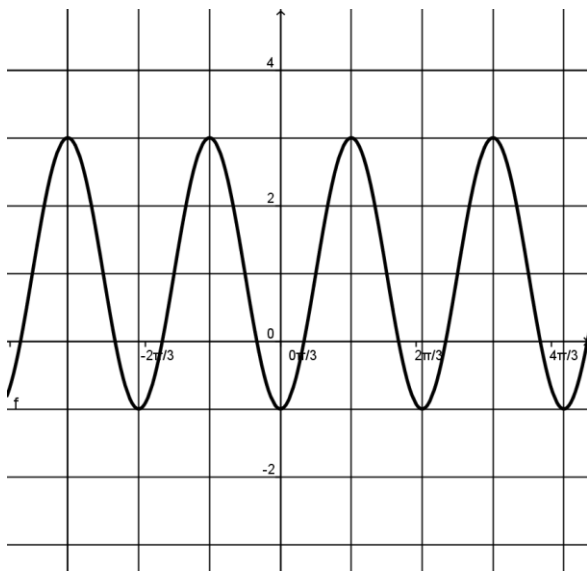
43. $-\frac{\sqrt{3}}{3}$

44. 1

45.



46.



47. $y = 7 \sin \frac{4}{3}(x + 2\pi) - 8$

48. Max ht: 65 ft Min ht: 15 Period: 15

49. $y = -25 \cos \frac{\pi}{10}x + 30$

50. $y = \cos(x - \pi) - 3$

51. $y = 3 \sin 2x - 3$