HW: Pages 410-411: 64, 65, 69, 70

Page 419: 17, 19, 25, 27, 29, 33, 39

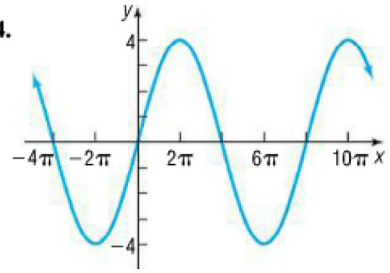
Page 435: 28, 30

On the second two sets of problems, graph as we did in class, for two to four cycles and do not follow the books directions.

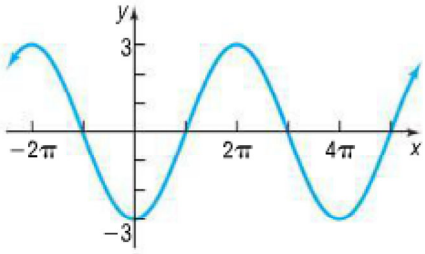
Pages 410-411

In Problems 63–76, find an equation for each graph.

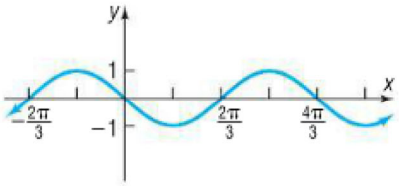
64.



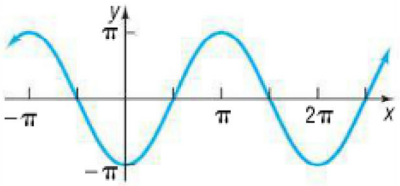
65.



69.



70.



Page 419:

In Problems 17–40, graph each function.

17. $y = 3\tan x$

18. $y = -2\tan x$

19. $y = 4\cot x$

20. $y = -3\cot x$

21. $y = \tan\left(\frac{\pi}{2}x\right)$

22. $y = \tan\left(\frac{1}{2}x\right)$

23. $y = \cot\left(\frac{1}{4}x\right)$

24. $y = \cot\left(\frac{\pi}{4}x\right)$

25. $y = 2\sec x$

26. $y = \frac{1}{2}\csc x$

27. $y = -3\csc x$

28. $y = -4\sec x$

29. $y = 4\sec\left(\frac{1}{2}x\right)$

30. $y = \frac{1}{2}\csc(2x)$

31. $y = -2\csc(\pi x)$

32. $y = -3\sec\left(\frac{\pi}{2}x\right)$

33. $y = \tan\left(\frac{1}{4}x\right) + 1$

34. $y = 2\cot x - 1$

35. $y = \sec\left(\frac{2\pi}{3}x\right) + 2$

36. $y = \csc\left(\frac{3\pi}{2}x\right)$

37. $y = \frac{1}{2}\tan\left(\frac{1}{4}x\right) - 2$

38. $y = 3\cot\left(\frac{1}{2}x\right) - 2$

39. $y = 2\csc\left(\frac{1}{3}x\right) - 1$

40. $y = 3\sec\left(\frac{1}{4}x\right) + 1$

Page 435:

In Problems 24–32, graph each function.

28. $y = \cot\left(x + \frac{\pi}{4}\right)$

30. $y = \csc\left(x + \frac{\pi}{4}\right)$