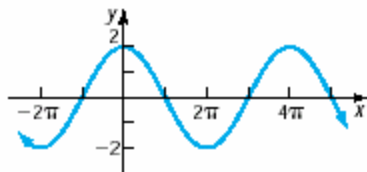
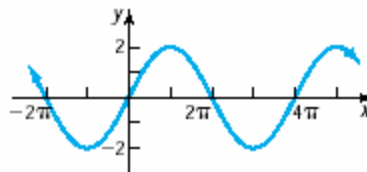


### 4.4 Finding an equation from its graph

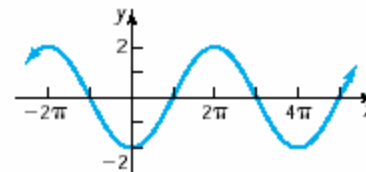
In Problems 47- 56, match the given function to one of the graphs (A)- (J).



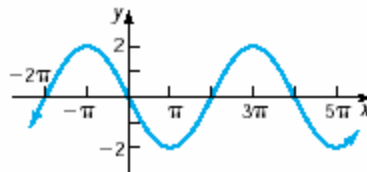
(A)



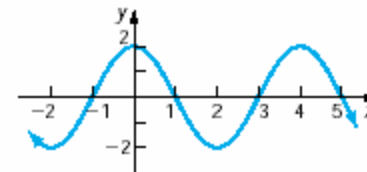
(B)



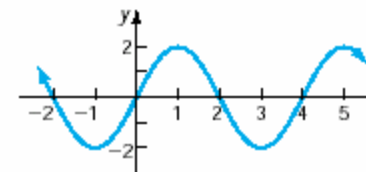
(C)



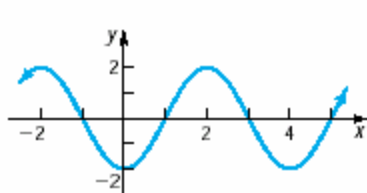
(D)



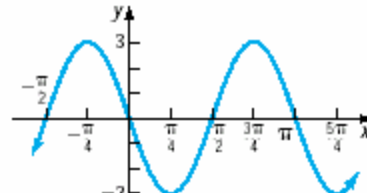
(E)



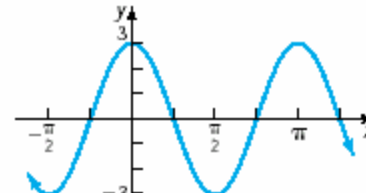
(F)



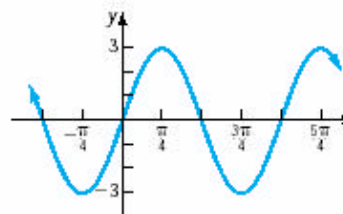
(G)



(H)



(I)

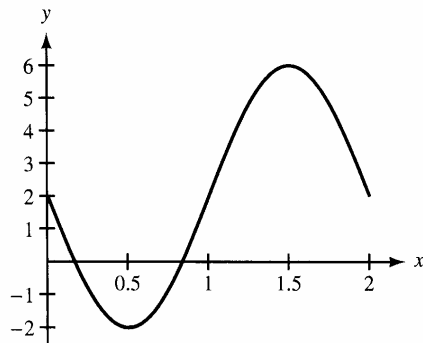


(J)

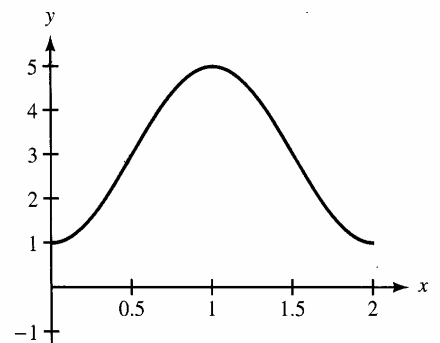
- |   |  |   |
|---|--|---|
| 47. $y = 2 \sin\left(\frac{\pi}{2}x\right)$ | 48. $y = 2 \cos\left(\frac{\pi}{2}x\right)$  | 49. $y = 2 \cos\left(\frac{1}{2}x\right)$ |
| 50. $y = 3 \cos(2x)$                        | 51. $y = -3 \sin(2x)$                        | 52. $y = 2 \sin\left(\frac{1}{2}x\right)$ |
| 53. $y = -2 \cos\left(\frac{1}{2}x\right)$  | 54. $y = -2 \cos\left(\frac{\pi}{2}x\right)$ | 55. $y = 3 \sin(2x)$                      |
| 56. $y = -2 \sin\left(\frac{1}{2}x\right)$  |  |   |



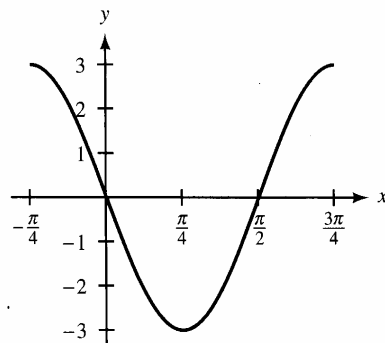
21.



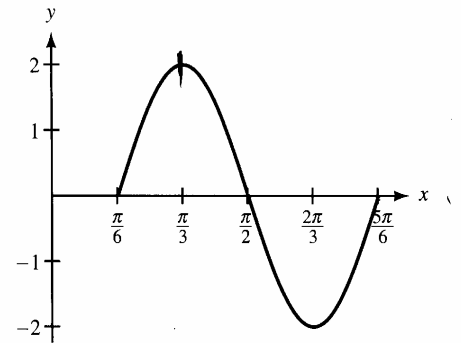
22.



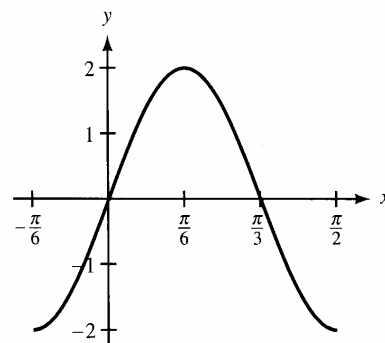
23.



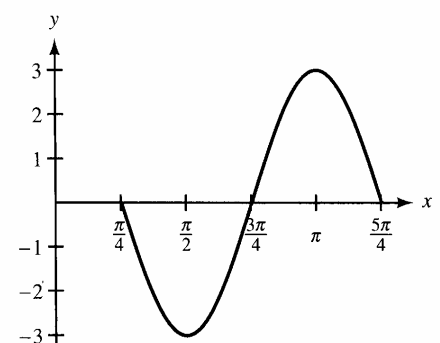
24.



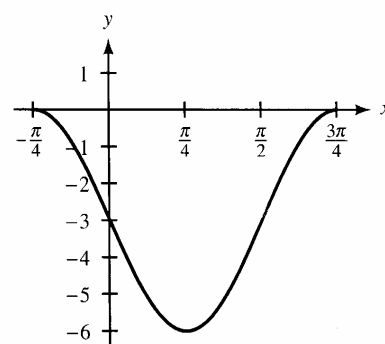
25.



26.



27.



28.

