

Using the appropriate units (**D**egrees or **R**adians), graph each function.

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|---|---|---|---|
| 1. D $f(x) = \cos x + 3$ | 2. R $f(x) = \sin x + 1$ | 3. D $f(x) = \cos x + \frac{1}{2}$ | 4. R $f(x) = \cos x - 2$ |
| 5. D $f(x) = \cos x - 1$ | 6. R $f(x) = \sin x - \frac{1}{3}$ | 7. $f(x) = \cos(x - 90^\circ)$ | 8. $f(x) = \sin\left(x + \frac{\pi}{2}\right)$ |
| 9. $f(x) = \sin(x - 180^\circ)$ | 10. $f(x) = \cos\left(x + \frac{\pi}{4}\right)$ | 11. $f(x) = \cos(x + 30^\circ)$ | 12. $f(x) = \cos\left(x + \frac{\pi}{6}\right)$ |
| 13. $f(x) = \sin(x - 45^\circ) + 1$ | 14. $f(x) = \cos\left(x - \frac{\pi}{3}\right) - 2$ | 15. $f(x) = \cos(x + 180^\circ) + 4$ | |
| 16. $f(x) = \sin\left(x + \frac{\pi}{6}\right) - 3$ | 17. $f(x) = \sin\left(x - \frac{11\pi}{6}\right) + \frac{1}{2}$ | 18. $f(x) = \cos(x + 50^\circ) + 1$ | |

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