

Graphing Absolute Value Functions (ALG.ABS.03)

Graph each absolute value function.

1. $f(x) = |x - 2|$

2. $g(x) = |x| + 3$

3. $h(x) = |x + 4|$

4. $f(x) = |x| - 1$

5. $g(x) = 2|x + 1|$

6. $h(x) = -3|x - 3|$

7. $f(x) = 5|x| - 3$

8. $g(x) = \frac{2}{3}|x - 1|$

9. $h(x) = -\frac{5}{2}|x| + 5$

10. $f(x) = -\frac{1}{4}|x| + 2$

11. $g(x) = 3|x - 1| + 2$

12. $h(x) = -|x + 4| - 1$

13. $f(x) = \frac{4}{3}|x - 3| - 1$

14. $g(x) = -2|x + 3| + 4$

15. $h(x) = \frac{|x+2|}{-2} - 3$

16. $f(x) = \frac{|x|}{3} + 4$

17. $g(x) = |2x - 5|$

18. $h(x) = |5x + 3|$

19. $f(x) = -|4x - 1| + 3$

20. $g(x) = -|2x + 3| - 1$

21. $h(x) = |3 - 2x|$

22. $f(x) = -2|1 - 4x| + 3$

23. $g(x) = \frac{3}{4}|-4x + 3| - 1$

24. $h(x) = -\frac{3}{2}|6 - 10x| + 5$