

PROBLEM SET 2-5 AND 2-6
(Absolute Value Graphs)

Graph the following:

1. $y = |x + 2| - 4$

2. $y = -|x + 2| + 4$

3. $y = \frac{3}{5}|x| - \frac{5}{2}$

4. $y = |x + 6|$

5. $y = -|x - 5|$

6. $y = |x - 2| - 6$

7. $y = -|x - 3|$

8. $y = 2|x + 2| - 3$

9. $y = 2|x - 3|$

10. $2y = \frac{1}{2}|x + 2|$

11. $-3y = |x - 6|$

12. $y = |x + 2| - 3$

13. $y = |x - 4| + 2$

14. $y = |x + 2| + 1$

15. $y = |x - 1| - 2$

16. $y = -|x + 1| - 2$

17. $y = 3|x| - x\left|\frac{1}{3}\right|$

18. $y = 2|x| - x$