

2.3 Practice

A. State if the following are linear or not linear

1. $y = -2x + 4$

2. $y = \frac{-5}{2}x + 4$

3. $x = 6$

4. $2x - 5xy = 9$

5. $3x - 7y = 12$

6. $y = 2x^2 - 3x + 1$

B. Given $f(x) = 2x^2 - 5x + 1$ and $g(x) = -2x + 5$ find the following

7. $g(-4)$

8. $f(0)$

9. $f(-4)$

10. $g(g(4))$

11. $g(f(-1))$

C. Graph the following

12. $y = x$

13. $y = -2$

14. $x = -4$

15. $y = \frac{-5}{3}x - 4$

16. $x - 3y = -6$

17. $2x + y = 4$