

Topic 8.1
Polynomial Functions
Homework

Name: _____

Date: _____

Find $f(3)$ for each function.

1. $f(x) = 2x + 6$

2. $f(x) = x^2 + 2x - 4$

3. $f(x) = \frac{x^3}{9x}$

4. $f(x) = -x^3 - x^2 + (-2x)^2$

5. $f(x) = \frac{4 - 2x}{(-x)^0}$

6. $f(x) = 2 + 4x - (-x^3)$

Find $f(-2)$ for each function.

7. $f(x) = x^2 - 4x$

8. $f(x) = 3x^3 - 2x^2$

9. $f(x) = \frac{4x^4}{x^3}$

Find $f(y + 2)$ for each function.

10. $f(x) = 2x - 5$

11. $f(x) = x^2 - 3x$

12. $f(x) = \frac{3x^2}{2x}$