

Pre-Calculus

Section 2.2

Determine the end-behaviors for each polynomial function.

1. $f(x) = x^3 - 2x^2 + 7x - 9$

2. $f(x) = -2x^3 + 4x^2 - 6x - 5$

3. $f(x) = -5x^2 - 2x + 18$

4. $f(x) = 13x^2 + 12x - 1$

5. $f(x) = 4x^4 - 6x^2 + 11$

6. $f(x) = -7x^4 + 21x^2 - 30$

7. $f(x) = 2x^5 - 7x^3 + 9x + 25$

8. $f(x) = -6x^5 + 17x^3 - 24x + 4$

9. $f(x) = 5x^7 - 9x^6 + 23x - 8$

10. $f(x) = -11x^7 - 9x^6 + 23x^5 + x^3 - 2x^2 - 8$

11. $f(x) = -8x^6 + 14x^4 - 7x^2 + 2x - 13$

12. $f(x) = 12x^6 - 4x^5 + 29x^3 + 5x^2 - 31$