

State the number and types of zeros possible, then find all zeros.

1. $f(x) = x^3 + 2x^2 + 9x + 18$

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

3. $f(x) = x^3 - 3x^2 + 25x - 75$

4. $f(x) = x^3 + 2x^2 - 6x + 8$

5. $f(x) = x^3 + 5x^2 + 17x + 13$

6. $f(x) = x^4 - x^3 + 10x^2 - 16x - 96$

7. $f(x) = x^3 + 6x^2 + 10x + 8$

8. $f(x) = x^3 - 6x^2 + 64x - 384$