L6-3 HOMEWORK

Solving Polynomial Equations

Find all the real or imaginary zeros by factoring or by using the quadratic formula.

1) $y = x^2 + x - 2$

2) $y = x^2 + 10x + 25$

3) $y = x^2 + 8x + 20$

4) $y = x^2 - 2x - 10$

5) $f(x) = x^3 + 3x^2 - 10x$

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

7) $f(x) = 3x^3 - 4x^2 + 7x$

8) $f(x) = x^3 - 11x^2 - 7x$