



4. Solve the equations.

a.  $2x + 1 = \sqrt{3 - 3x}$

b.  $5 - (4 - 2x)^{2/3} = 1$

5. Find the degree of the polynomial  $p(x) = -x^2(3 - 5x)(x^2 + x + 4)$ . Also find the leading term, the leading coefficient, the constant term and the end behavior of the polynomial.

6. For the polynomial in #5, create a sign chart of the real zeros and create a rough sketch of the graph.