

1. Sketch the graph of $f(x) = 2x^4 + x^3 - 15x^2 - 8x + 20$ given that $(2x-5)$ is a factor.

2. Sketch the graph of $g(x) = -\frac{1}{2}(x-3)(x+2)^2(x-1)^3$

3. Sketch the graph of $h(x) = 14x^4 - 27x^3 + 9x^2 + 7x - 3$

4. Given $m(x) = 3x^4 - 2x^3 + 7x - 9$ se synthetic substitution to determine:

a. $m(4) =$

b. $m(-2) =$