

Find the zeros of each. Show all work. Circle your answer(s).

1.) $2x^2 + 13x - 7$

2.) $-4 + \sqrt{3x^2 - 2x}$

3.) $\frac{18x^3 + 15x^2 - 12x}{2x - 1}$

Find the difference quotient of each. Show all work. Circle your final answer.

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

5.) $h(x) = x^3 - 17$

Evaluate each for the given function, $g(x) = \frac{-x^2+3x}{-x^3}$

6.) $g(-2)$

7.) $g(t^2 - t)$

8.) $g(\frac{1}{4})$