

### Answer on Question #43000 – Math – Calculus

Use the Rational Zeros Theorem to write a list of all potential rational zeros

$$f(x) = 2x^3 - 5x^2 + 7x - 3$$

**Solution.**

Factors of constant term:  $\pm 1, \pm 3$ .

Factors of leading coefficient:  $\pm 1, \pm 2$ .

Possible values of  $\frac{p}{q}$  :  $\pm \frac{1}{1}, \pm \frac{1}{2}, \pm \frac{3}{1}, \pm \frac{3}{2}$ . So, potential rational zeros of f are:

$$\pm 1, \pm \frac{1}{2}, \pm 3, \pm \frac{3}{2}$$

**Answer.**  $\pm 1, \pm \frac{1}{2}, \pm 3, \pm \frac{3}{2}$ .