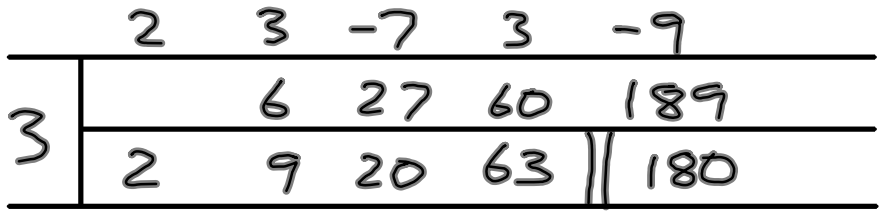
Algebra II

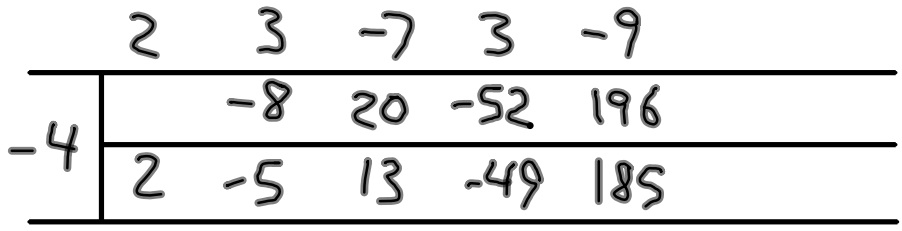
8-7

Rational Root Theorem

Upper Bound -



Lower Bound -



Rational Root Theorem -

$$P(x) = 6x^3 - 5x^2 + 7x - 12$$

Steps for solving Polynomials of Degree 3 or greater.

1)

2)

3)

4)

5)

6)

7)

8)

Solve.

1) $x^3 - 7x + 6 = 0$

3) $x^3 - 3x^2 + 2x - 8 = 0$

11) $3x^4 + 4x^3 - x^2 + 4x - 4 = 0$

Assignment:
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2, 4-8 all, 10,
12, 22-24 all.