

Math 3 Advanced
7.1 Rational (part 1)

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1.  $x = 3, \pm\sqrt{2}$

2.  $x = -1, \frac{-5 \pm \sqrt{97}}{2}$

3.  $x = -3, 1 \pm \sqrt{5}$

4.  $x = 2, 1 \pm \sqrt{3}$

5.  $x = 1, \frac{1 \pm \sqrt{13}}{3}$

6.  $x = \frac{1}{3}, \pm\sqrt{2}$

7.  $x = \frac{2}{3}, 2 \pm \sqrt{3}$

8.  $x = -\frac{2}{3}, -2 \pm \sqrt{7}$