

Unit 4 HW #8

1. $x = -7, 13$
2. $x = \pm 3\sqrt{10}$
3. $x = 7 \pm \sqrt{5}$
4. $x = -1 \pm 2\sqrt{6}$
5. $x = \frac{7 \pm 3\sqrt{5}}{2}$
6. $x = \frac{1 \pm i\sqrt{39}}{10}$

7. A: -28 B: 0 C: 145 D: 16
2 imaginary 1 real, 1 rat. 2 real, irrat. 2 real, rat

A: $x = 2 \pm i\sqrt{7}$ $x = \frac{5}{2}$ $x = \frac{-11 \pm \sqrt{145}}{6}$ $x = \pm 4$