

Unit 5: HW #5

1. $x = 0, \frac{1}{4}$
2. $x = \pm \frac{2\sqrt{3}}{3}, \pm \frac{2i\sqrt{3}}{3}$
3. $x = 0, \pm \frac{3\sqrt{2}}{2}$
4. $x = -8, 4 \pm 4i\sqrt{3}$
5. $x = \frac{5}{2}, \frac{-5 \pm 5i\sqrt{3}}{4}$
6. $x = 0, \frac{1}{3}, \frac{-1 \pm i\sqrt{3}}{6}$
7. $x = -2, 0, 10$
8. $x = \pm i, \pm 3\sqrt{2}$
9. $x = \pm 3i, \pm \frac{1}{2}$
10. $x = -3 \pm 2\sqrt{6}$
11. $x = \frac{5}{2}, \pm 2i\sqrt{5}$
12. 8.666 yrs.