

**Business PreCalculus**    MATH 1643 Section 004, Spring 2014  
**Answer key: worksheet 8**

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**1-** Answers:

**a.**  $x = 1$

**b.**  $x = \frac{-1-\sqrt{5}}{2}, x = \frac{-1+\sqrt{5}}{2}$

**c.**  $x = -7, x = 1$

**d.**  $x = -1, x = 0, \text{ or } x = 1$

**2-** Answers:

**a.** No solution, because the square root of a number is always positive.

**b.** No solution.

**c.**  $y = 5$

**d.**  $x = 7 \text{ or } x = 3$

**e.** The set of solutions is  $\{-2, -\sqrt{3}, \sqrt{3}, 2\}$