

Business PreCalculus MATH 1643 Section 004, Spring 2014
Answer key: worksheet 7

1- Answers:

a. $x = -1$ or $x = 6$

b. $x = -3$ or $x = 4$

c. $x = -3$ or $x = \frac{5}{2}$

2- Answers:

a. $x = 3$ or $x = -3$

b. $(3x^2 - 2)^2 = -16$, then there is no solution because a square of any number is always positive.

c. $x = -2$ or $x = 2$

3- Answers:

a. $x = \frac{2}{3}$ or $x = \frac{-5}{2}$

b. $x = 2 - \sqrt{2}$ or $x = 2 + \sqrt{2}$

c. $x = -1 - \sqrt{5}$ or $x = -1 + \sqrt{5}$