

Business PreCalculus MATH 1643 Section 004, Spring 2014
Answer key: worksheet 10

1- Answers:

a. $x = -1$, or $x = 2$

b. No solution because the absolute value of a number is always greater or equal to zero.

c. $x = -5$, or $x = -\frac{1}{3}$

d. Has no solution.

2- Answers:

a. No solution, because absolute value of a number is always greater or equal to zero.

b. $-\frac{10}{3} \leq x \leq 10$

c. $x > 2$, or $x < -\frac{2}{3}$

d. $x \leq \frac{3}{2}$, or $x \geq \frac{7}{2}$

e. $(-\infty, \infty)$ is the solution set.

f. $[\frac{4}{3}, \infty) \cap (-\infty, -6] = \emptyset$, this means there is nothing in common.