

Answers to Chapter 11 Redo Requirement

1a. $\frac{1}{2}$

1b. $\frac{17}{5}$

2a. $x + 2$

2b. $\frac{x + 3y}{3(x - 2y)}$

3a. $\frac{5m + 2}{(m + 2)(m - 2)}$

3b. $\frac{7}{a + 1}$

4a. $\frac{3(y - 3)}{(y + 2)(y - 1)}$

4b. $\frac{2x + 15}{x(x - 3)^2}$

5a. $\frac{5(v - 2)}{v - 1}$

5b. $\frac{3n(n + 5)}{2}$

6a. $\frac{a(a - 12)}{2b(a + 9)}$

6b. 2

7a. No Solution

7b. No Solution

8a. $x = -10$ or $x = 6$

8b. $a = 4$

9a. $\{x \mid x \neq -2\}$

9b. $\{x \mid x \neq -2 \text{ and } x \neq 0\}$

10a. $n = 3$

10b. $f = -11$

11a. $c = 2$

11b. $y = 8$

12a. 2 hours

12b. 4 hours

13a. 300 miles

13b. \$162

14a. 20

14b. 3

15a. RVs: $x = 4$ or $x = 7$

D: $\{x \mid x \neq 4 \text{ and } x \neq 7\}$

15b. RVs: $x = -1$ or $x = 3$

D: $\{x \mid x \neq -1 \text{ and } x \neq 3\}$

16a. (See Graph) VA: $x = -3$
(HA: $y = 1$)

16b. (See Graph) VA: $x = 1$
(HA: $y = 1$)