

Semester 1 Final Review, Part 2

Evaluate:

$$37. \frac{3}{4} - \left(-3\frac{1}{4}\right)$$

$$38. (0.47)(-0.5)$$

$$39. \frac{2}{3} - \frac{1}{4}$$

$$40. \frac{-2\frac{1}{2}}{\frac{3}{2}}$$

Solve each equation:

$$41. \frac{x+7}{9} = \frac{8}{10}$$

$$42. -\frac{10}{8} = \frac{a}{2}$$

$$43. 10|8x+6| = 100$$

$$44. \frac{|a+2|}{7} = 3$$

Answers:

37. 4 38. -0.235 39. $\frac{5}{12}$ 40. $-\frac{5}{3}$ or $-1\frac{2}{3}$ 41. $x = 0.2$ or $\frac{1}{5}$ 42. $a = -\frac{5}{2}$ or $-2\frac{1}{2}$

43. $x = \frac{1}{2}$ and -2 44. $a = 19$ and -23