

Name: _____

Date: _____ Per: _____

Lesson 3.2.3 Homework

3-59. Simplify each expression below.

a. $6 + (-18)$

b. $12 \frac{1}{2} + (-25)$

c. $-9 + (-9)$

d. $-12.2 + 6.1 + 15.8$

3-60. Find each of the following products or quotients without using a calculator. Draw a diagram or use words to explain how you know your product makes sense.

a. $6(-3)$

b. $-6(3)$

c. $-8(-3)$

d. $-20 \div 5$

3-61. Simplify each of the following expressions without using a calculator. Draw diagrams or use words to show your thinking.

a. $4(-2 \frac{1}{3}) + 7 \frac{1}{6}$

b. $-8 + -2(3)$

c. $4 + -5(-3) + (-7)$

d. $(-4.25)(2) + (-4.25)(-2)$

3-62. Simplify the following fraction expressions. Show all of your work.

a. $\frac{5}{6} + \frac{1}{4}$

b. $\frac{7}{12} - \frac{2}{5}$

c. $\frac{3}{8} \cdot \frac{2}{3}$

d. $\frac{4}{5} \cdot \frac{7}{8}$

3-63. Nathan wants you to solve this puzzle: "I am thinking of a number. If you divide my number by 3 and add -3 , you will get 4. What is my number?" Show all of your work.