Name: Date:

Worksheet

Expressions: Addition and Subtraction - I

1. **Give two examples of each of the following.**

a. **Numeric Expression**

b. **Algebraic Expression**

Solution:

a. _____

b. _____

2. **Find the value for each of the expressions.**

a. 14 + (21 – 24)

b. 37 – (12 – 16)

c. 18 – (5 – 18) – 24

d. (28 + 7) + 6 – (18 + 9)

e. 11 – (7 – 11) – (19 – 12)

f. 1,310 – (17 + 1,310) + 17

Solution:

a. _____

b. _____

c. _____

d. _____

e. _____

f. _____

3. **Write a numeric expression and find its value. What does the value represent?**

a. Elena had $1,812 in her bank account. She deposited another $315.

b. Serena was driving at the speed of 60 mph. She increased her speed by 6 mph.

c. Robin had 72 blocks. He gave 30 blocks to his brother Mike. Robin bought 24 more blocks.

d. A company's stock price was $180. The stock price fell by $14.

Solution:

a.

b.

c.

d.

4. **Define a variable. Use it to write an algebraic expression.**

a. **In a tennis event, 7 players withdrew their names.**

b. **The temperature on Sunday was 5°F more than Saturday.**

c. **Julia thought of a number and then subtracted it by 72.**

d. **Perimeter of a triangle is 18 more than the length of the base.**

Solution:

a.

b.

c.

d.

5. **Find the value for each expression.**

a. 27 – n – 8 if n = 9

b. 8 + (14 – b) if b = 16

c. (p – 3) + 9 if p = 5

d. a + b – 12 if a = 8 and b = 12

e. 39 – (t – 10) if t = 38

Solution:

a.

b.

c.

d.

e.