

## 11) Written Expressions

Regular Problems

11.1  $5x + 11$

11.2  $3b + 6$

11.3  $4y - 6$

11.4  $7x - 2$

11.5  $3z + 3$

11.6  $x^2 + 4x - 4$

11.7  $4x - 5$

11.8  $(\frac{2}{3})p + 6$

11.9  $2x + 3$

11.10  $24 - 2k$

11.11  $7 - h$

11.12  $11 - (\frac{1}{2})c$

Challenging Problems

11.13  $t^2 + 12t + 34$

11.14  $-w^2 + 15w + 3$

Three times the sum of five and a number, plus twice the quantity of two less than the same number.

11.1

Let  $b$  be the smallest of three consecutive even integers. Find an expression for the sum of these integers.

11.2

Let  $y$  be the largest of four consecutive integers. Find an expression for the sum of these integers.

11.3

Two less than seven times a number.

11.4

Let  $z$  be the larger of two numbers whose difference is five. Find an expression for three times the sum of six and the smaller number.

11.5

Twelve less than the square of a number plus four times the sum of two and the same number.

11.6

A number added to five less than triple the same number.

11.7

Let  $p$  be the smaller of two numbers whose difference is nine. Find an expression for two thirds of the larger number.

11.8

Half of the sum of six and four times a number.

11.9

Let  $k$  be the smaller of two numbers adding to twelve. Find an expression for twice the larger number.

11.10

Let  $h$  be the larger of two integers whose sum is nine. Find an expression for two less than the smaller integer.

11.11

Let  $c$  be the smaller of two numbers that add to sixteen. Find an expression for three more than half of the larger number.

11.12

Let  $t$  be the smaller of two integers whose difference is six. Find an expression for two less than the square of the larger integer.

11.13

Let  $w$  be the larger of two integers whose sum is fifteen. Find an expression for three more than the product of the integers.

11.14