

# MasterMath

## Perfect Practice Worksheet

### Writing and Evaluating Expressions 1

Name \_\_\_\_\_  
Date \_\_\_\_\_

1. Complete the table:

Algebraic Expression	Number	Variable	Operations
$x + 9$	9	x	addition
$2y - 6$	2, 6	y	subtraction
$3b + 9$	3, 9	b	addition

2. Order of Operations: Which step should you do 1st, 2nd, 3rd and 4th

**P E M D A S**

Add and subtract	Multiply and divide	Evaluate powers	Evaluate expressions inside parentheses
4	3	2	1

**Parenthesis, Exponents, Multiply, Divide, Add, Subtract**

3. Solve:  $3^2 - (5 + 2) =$

4. Solve  $6(3+2) - 2^2 =$

5. Will y get larger or smaller as x increases:  $6 - x = y$

Write and evaluate an expression to solve Problems 6 - 8:

6. Your parents drive 70 miles in 2 hours. What is their average miles per hour?

7. You're paid \$12 per week to mow your lawn. How long will it take to earn \$48?

8. You buy 2 burgers at \$4 each, and pay with a \$20 bill. How much change will you get?

Evaluate these expressions when x = 3, y = 2 and z = 5

9.  $x - 3 =$

10.  $2x - 3 =$

11.  $x - y =$

12.  $5z =$

13.  $z - y =$

14.  $(z + 1) / x =$

15.  $3x =$

16.  $6 ÷ y =$

17.  $2z - (x + y) =$

18.  $x + y + z =$

19.  $x^2 - 2y + (z-1) =$

20.  $3x =$