MasterMath
Perfect Practice Worksheet

Name _____

Date _____

Writing and Evaluating Expressions 1

1. **Complete the table:**

Algebraic Expression	Number	Variable	Operations
x + 9			
2y - 6			
3b + 9			

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

Add and subtract	Multiply and divide	Evaluate powers	Evaluate expressions inside parentheses

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

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

5. **Will y get larger or smaller as x increases: $\underline{6 - x = y}$** [ ]

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. $6 \div y =$ [ ]

17. $2z - (x + y) =$ [ ]   18. $x + y + z =$ [ ]

19. $x^2 - 2y + (z-1) =$ [ ]   20. $3x =$ [ ]