

VM - LEVEL 2 NAME: _____

PHONE NUMBER: _____

Subtract:

91	348	500	4186	2746	4682	7500	3820
-36	-173	-186	-2869	-1087	-1993	-1835	-547
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

Multiply:

89 X 11 = _____	25 X 12 = _____	19 X 22 = _____	27 X 33 = _____
54 X 11 = _____	31 X 12 = _____	37 X 22 = _____	72 X 33 = _____
26 X 11 = _____	47 X 12 = _____	48 X 22 = _____	57 X 33 = _____
55 X 11 = _____	98 X 12 = _____	73 X 22 = _____	23 X 44 = _____
69 X 11 = _____	21 X 12 = _____	45 X 22 = _____	82 X 44 = _____

$$\begin{array}{r} 23 \times 99 = \underline{\hspace{2cm}} \\ 54 \times 99 = \underline{\hspace{2cm}} \\ 67 \times 99 = \underline{\hspace{2cm}} \\ 82 \times 99 = \underline{\hspace{2cm}} \\ 15 \times 99 = \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 19 \times 99 = \underline{\hspace{2cm}} \\ 36 \times 99 = \underline{\hspace{2cm}} \\ 46 \times 99 = \underline{\hspace{2cm}} \\ 90 \times 99 = \underline{\hspace{2cm}} \\ 28 \times 99 = \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 39 \times 9 = \underline{\hspace{2cm}} \\ 41 \times 9 = \underline{\hspace{2cm}} \\ 57 \times 9 = \underline{\hspace{2cm}} \\ 72 \times 9 = \underline{\hspace{2cm}} \\ 63 \times 9 = \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{r} 83 \times 999 = \underline{\hspace{2cm}} \\ 75 \times 999 = \underline{\hspace{2cm}} \\ 52 \times 999 = \underline{\hspace{2cm}} \\ 12 \times 999 = \underline{\hspace{2cm}} \\ 34 \times 999 = \underline{\hspace{2cm}} \end{array}$$

Base Multiplication:

$$\begin{array}{r} 98 \\ \times 97 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 97 \\ \times 95 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 94 \\ \times 98 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 92 \\ \times 96 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 99 \\ \times 98 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 988 \\ \times 989 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 986 \\ \times 998 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 993 \\ \times 988 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 105 \\ \times 104 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 107 \\ \times 102 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 108 \\ \times 106 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 109 \\ \times 109 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 112 \\ \times 104 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 1008 \\ \times 1002 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 1005 \\ \times 1002 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 1010 \\ \times 1010 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 103 \\ \times 97 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 107 \\ \times 98 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 113 \\ \times 98 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 1005 \\ \times 989 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 1012 \\ \times 998 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 1004 \\ \times 988 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 1011 \\ \times 999 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 1008 \\ \times 992 \\ \hline \hline \end{array}$$

Multiply:

$$\begin{array}{r} 37 \\ \times 52 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 76 \\ \times 71 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 28 \\ \times 45 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 53 \\ \times 74 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 27 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 74 \\ \times 29 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 25 \\ \times 87 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 32 \\ \times 46 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 69 \\ \times 46 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 14 \\ \times 34 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 62 \\ \times 55 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 59 \\ \times 78 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 78 \\ \times 12 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 22 \\ \times 59 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 37 \\ \times 24 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times 41 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 32 \\ \times 23 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 58 \\ \times 92 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 26 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 25 \\ \times 14 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 89 \\ \times 76 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 91 \\ \times 44 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 53 \\ \times 70 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 21 \\ \times 13 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 22 \\ \times 62 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 54 \\ \times 23 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 31 \\ \times 45 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 46 \\ \times 21 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 72 \\ \times 46 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 88 \\ \times 72 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 35 \\ \times 71 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times 42 \\ \hline \hline \end{array}$$

Multiply : (Hint - Working base Multiplication)

$$\begin{array}{r} 66 \\ \times 69 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 58 \\ \times 57 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 47 \\ \times 51 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 39 \\ \times 38 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 29 \\ \times 29 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 58 \\ \times 62 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 53 \\ \times 46 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times 19 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 42 \\ \times 38 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 87 \\ \times 79 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 73 \\ \times 71 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 38 \\ \times 42 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 28 \\ \times 31 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 46 \\ \times 49 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 78 \\ \times 81 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 61 \\ \times 59 \\ \hline \hline \end{array}$$

Solve:

$$(a+2b) (2a+b)$$

$$(2a+b) (3a+3b)$$

$$(2x-2y) (4x+3y)$$

$$(25x-5y) (2x+5y)$$

Find Squares of:

$$\begin{array}{l} 21^2 = \underline{\hspace{2cm}} \\ 35^2 = \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{l} 36^2 = \underline{\hspace{2cm}} \\ 71^2 = \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{l} 18^2 = \underline{\hspace{2cm}} \\ 26^2 = \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{l} 35^2 = \underline{\hspace{2cm}} \\ 49^2 = \underline{\hspace{2cm}} \end{array}$$

$$52^2 = \underline{\hspace{2cm}}$$
$$74^2 = \underline{\hspace{2cm}}$$

$$48^2 = \underline{\hspace{2cm}}$$
$$79^2 = \underline{\hspace{2cm}}$$

$$82^2 = \underline{\hspace{2cm}}$$
$$42^2 = \underline{\hspace{2cm}}$$

$$54^2 = \underline{\hspace{2cm}}$$
$$16^2 = \underline{\hspace{2cm}}$$