

Name _____

Date _____

Class _____

Period _____

Equations Riddle Worksheet

Solve each equation for the letters below. After you have solved an equation, use the answers to fill in the punchline to the riddle below. (The letters in each equation are in bold type.)

The Riddle:

Why couldn't the pony talk?

1) $2(7\mathbf{B} - 9) = -208 + 4\mathbf{B}$

2) $10(18\mathbf{I} + 14) = 40\mathbf{I} + 140$

3) $9(49\mathbf{C} + 19) = 360\mathbf{C} + 576$

4) $9(-345\mathbf{U} + 20) = 3240\mathbf{U} + 2070$

5) $10(23\mathbf{O} + 16) = 1960 + 110\mathbf{O}$

6) $9(2\mathbf{H} + 8) = 9\mathbf{H} + 18$

7) $10(17\mathbf{L} + 1) = 10\mathbf{L} + 730$

8) $10(17\mathbf{S} + 8) = 10\mathbf{S} + 3140$

9) $3(32\mathbf{E} - 1) = -705 + 42\mathbf{E}$

10) $11(5\mathbf{R} + 4) = 11\mathbf{R} + 836$

11) $8(6\mathbf{A} - 20) = 8\mathbf{A} + 560$

12) $11(7\mathbf{T} - 2) = 286 + 33\mathbf{T}$

13) $2(\mathbf{W} + 4) = 2\mathbf{W} - 60$

The Punchline:

$\overline{(-19)}$ $\overline{(-13)}$ $\overline{(5)}$ $\overline{(18)}$ $\overline{(14)}$ $\overline{(17)}$ $\overline{(-13)}$ $\overline{(-6)}$ $\overline{(-13)}$

$\overline{(-17)}$ $\overline{(18)}$ $\overline{(17)}$ $\overline{(18)}$ $\overline{(4)}$ $\overline{(0)}$ $\overline{(7)}$ $\overline{(7)}$ $\overline{(4)}$ $\overline{(-13)}$

$\overline{(-6)}$ $\overline{(15)}$ $\overline{(12)}$ $\overline{(17)}$ $\overline{(-13)}$