



Name: _____

Pre Algebra Expressions

Use the known variable to evaluate each expression. Show your work
(Basic with Brackets, Addition, Subtraction and Multiplication) NOTE:
a dot means to multiply.

Evaluate each expression when $y = 3$.

1. $(4 \bullet y + 2) + (4 \bullet y - 3) =$

2. $7 \bullet (5 \bullet y - 2) + 4 \bullet (2 + y) =$

3. $(6 \bullet y + 8) + (7 \bullet y - 8) =$

4. $8 \bullet (5 \bullet y - 4) + 3 \bullet (8 + y) =$

5. $(8 \bullet y + 4) + (7 \bullet y - 3) =$

6. $4 \bullet (6 \bullet y - 7) + 3 \bullet (7 + y) =$

7. $3 \bullet (7 \bullet y - 6) + 8 \bullet (5 + y) =$

8. $4 \bullet (7 \bullet y - 6) + 4 \bullet (5 + y) =$

9. $(6 \bullet y + 7) + (6 \bullet y - 5) =$

10. $(6 \bullet y + 6) + (4 \bullet y - 6) =$



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Evaluate each expression when $y = 3$.

1. $(4 \cdot y + 2) + (4 \cdot y - 3) = 23$

2. $7 \cdot (5 \cdot y - 2) + 4 \cdot (2 + y) = 111$

3. $(6 \cdot y + 8) + (7 \cdot y - 8) = 39$

4. $8 \cdot (5 \cdot y - 4) + 3 \cdot (8 + y) = 121$

5. $(8 \cdot y + 4) + (7 \cdot y - 3) = 46$

6. $4 \cdot (6 \cdot y - 7) + 3 \cdot (7 + y) = 74$

7. $3 \cdot (7 \cdot y - 6) + 8 \cdot (5 + y) = 109$

8. $4 \cdot (7 \cdot y - 6) + 4 \cdot (5 + y) = 92$

9. $(6 \cdot y + 7) + (6 \cdot y - 5) = 38$

10. $(6 \cdot y + 6) + (4 \cdot y - 6) = 30$