



Name: _____

Pre Algebra Expressions

Use the known variable to evaluate each expression. Show your work
(3 Operations with Exponents) NOTE: a dot means to multiply.

Evaluate each expression when $y = 2$.

1. $4 \cdot y^2 + 8 \cdot y^2 =$

2. $2 \cdot y^2 + 5 \cdot y^2 =$

3. $6 \cdot y^2 + 9 \cdot y^2 =$

4. $4 \cdot y^2 + 9 \cdot y^2 =$

5. $2 \cdot y^2 + 4 \cdot y^2 =$

6. $10 \cdot y^2 + 9 \cdot y^2 =$

7. $10 \cdot y^2 + 6 \cdot y^2 =$

8. $3 \cdot y^2 + 6 \cdot y^2 =$

9. $2 \cdot y^2 + 10 \cdot y^2 =$

10. $4 \cdot y^2 + 5 \cdot y^2 =$



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Evaluate each expression when $y = 2$.

1. $4 \cdot y^2 + 8 \cdot y^2 = 48$

2. $2 \cdot y^2 + 5 \cdot y^2 = 28$

3. $6 \cdot y^2 + 9 \cdot y^2 = 60$

4. $4 \cdot y^2 + 9 \cdot y^2 = 52$

5. $2 \cdot y^2 + 4 \cdot y^2 = 24$

6. $10 \cdot y^2 + 9 \cdot y^2 = 76$

7. $10 \cdot y^2 + 6 \cdot y^2 = 64$

8. $3 \cdot y^2 + 6 \cdot y^2 = 36$

9. $2 \cdot y^2 + 10 \cdot y^2 = 48$

10. $4 \cdot y^2 + 5 \cdot y^2 = 36$