

Name: _____



Pre Algebra Expressions

Use the known variable to evaluate each expression. Show your work.
(Division, Addition, Division, Multiplication, Parenthesis, Exponents)
Mixed.

Evaluate each expression when $y = 9$.

1. $15 \cdot y^2 + 5 \cdot y^2 =$

2. $6^2 + y^2 =$

3. $7 + \frac{16}{y} + 11^2 =$

4. $\frac{16+y}{y+4} =$

5. $2 + \frac{16}{y} + 11^2 =$

6. $2 + \frac{11}{y} + 5^2 =$

7. $\frac{4+y}{y+4} =$

8. $3 + \frac{6}{y} + 14^2 =$

9. $13 \cdot y^2 + 15 \cdot y^2 =$

10. $13 + (4 \cdot y + 6) =$

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Evaluate each expression when $y = 9$.

1. $15 \cdot y^2 + 5 \cdot y^2 = 1,620$

2. $6^2 + y^2 = 117$

3. $7 + \frac{16}{y} + 11^2 = 129.8$

4. $\frac{16+y}{y+4} = 1.9$

5. $2 + \frac{16}{y} + 11^2 = 124.8$

6. $2 + \frac{11}{y} + 5^2 = 28.2$

7. $\frac{4+y}{y+4} = 1$

8. $3 + \frac{6}{y} + 14^2 = 199.7$

9. $13 \cdot y^2 + 15 \cdot y^2 = 2,268$

10. $13 + (4 \cdot y + 6) = 55$