

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. $5 \cdot y^2 + 17 \cdot y^2 =$

2. $15^2 + y^2 =$

3. $3 + \frac{10}{y} + 15^2 =$

4. $20 + \frac{y}{12} =$

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

6. $2 + \frac{y}{19} =$

7. $5 + \frac{7}{y} + 16^2 =$

8. $4 + \frac{5}{y} + 11^2 =$

9. $(y14)^2 =$

10. $11 + \frac{2}{y} + 19^2 =$

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Evaluate each expression when $y = 9$.

1. $5 \cdot y^2 + 17 \cdot y^2 = 1,782$

2. $15^2 + y^2 = 306$

3. $3 + \frac{10}{y} + 15^2 = 229.1$

4. $20 + \frac{y}{12} = 20.8$

5. $2 \cdot y^2 + 2 \cdot y^2 = 324$

6. $2 + \frac{y}{19} = 2.5$

7. $5 + \frac{7}{y} + 16^2 = 261.8$

8. $4 + \frac{5}{y} + 11^2 = 125.6$

9. $(y14)^2 = 15,876$

10. $11 + \frac{2}{y} + 19^2 = 372.2$