

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 $y = 12$.

1. $5^2 + y^2 =$

2. $(y8)^2 =$

3. $13 + \frac{15}{y} + 8^2 =$

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

5. $15 \cdot y^2 + 6 \cdot y^2 =$

6. $2 + \frac{3}{y} + 11^2 =$

7. $17 \cdot y^2 + 7 \cdot y^2 =$

8. $\frac{13+y}{y+5} =$

9. $10 \cdot y^2 + 14 \cdot y^2 =$

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

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Evaluate each expression when $y = 12$.

1. $5^2 + y^2 = 169$

2. $(y8)^2 = 9,216$

3. $13 + \frac{15}{y} + 8^2 = 78.2$

4. $4 \cdot y^2 + 10 \cdot y^2 = 2,016$

5. $15 \cdot y^2 + 6 \cdot y^2 = 3,024$

6. $2 + \frac{3}{y} + 11^2 = 123.2$

7. $17 \cdot y^2 + 7 \cdot y^2 = 3,456$

8. $\frac{13+y}{y+5} = 1.5$

9. $10 \cdot y^2 + 14 \cdot y^2 = 3,456$

10. $3 + \frac{y}{2} = 9$