

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 $y = 8$.

1. $16^2 + y^2 =$

2. $17^2 + y^2 =$

3. $14^2 + y^2 =$

4. $16 + \frac{y}{13} =$

5. $6 \cdot y^2 + 8 \cdot y^2 =$

6. $8 + \frac{5}{y} + 12^2 =$

7. $8 + \frac{16}{y} + 8^2 =$

8. $16 + \frac{y}{9} =$

9. $\frac{15 + y}{y + 3} =$

10. $\frac{6 + y}{y + 15} =$

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 $y = 8$.

1. $16^2 + y^2 = 320$

2. $17^2 + y^2 = 353$

3. $14^2 + y^2 = 260$

4. $16 + \frac{y}{13} = 16.6$

5. $6 \cdot y^2 + 8 \cdot y^2 = 896$

6. $8 + \frac{5}{y} + 12^2 = 152.6$

7. $8 + \frac{16}{y} + 8^2 = 74$

8. $16 + \frac{y}{9} = 16.9$

9. $\frac{15+y}{y+3} = 2.1$

10. $\frac{6+y}{y+15} = 0.6$