

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  $y = 13$ .

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

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

3.  $\frac{12+y}{y+10} =$

4.  $\frac{3+y}{y+4} =$

5.  $4 + \frac{2}{y} + 7^2 =$

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

7.  $5 \cdot y^2 + 9 \cdot y^2 =$

8.  $16^2 + y^2 =$

9.  $17^2 + y^2 =$

10.  $\frac{4+y}{y+11} =$

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Mixed.

Evaluate each expression when  $y = 13$ .

1.  $5^2 + y^2 = 194$

2.  $6^2 + y^2 = 205$

3.  $\frac{12+y}{y+10} = 1.1$

4.  $\frac{3+y}{y+4} = 0.9$

5.  $4 + \frac{2}{y} + 7^2 = 53.2$

6.  $\frac{5+y}{y+8} = 0.9$

7.  $5 \cdot y^2 + 9 \cdot y^2 = 2,366$

8.  $16^2 + y^2 = 425$

9.  $17^2 + y^2 = 458$

10.  $\frac{4+y}{y+11} = 0.7$