

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  $y = 18$ .

1.  $(y17)^2 =$

2.  $12^2 + y^2 =$

3.  $6 + \frac{7}{y} + 4^2 =$

4.  $(y15)^2 =$

5.  $13^2 + y^2 =$

6.  $14^2 + y^2 =$

7.  $(y18)^2 =$

8.  $\frac{9+y}{y+13} =$

9.  $(y13)^2 =$

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

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Mixed.

Evaluate each expression when  $y = 18$ .

1.  $(y17)^2 = 93,636$

2.  $12^2 + y^2 = 468$

3.  $6 + \frac{7}{y} + 4^2 = 22.4$

4.  $(y15)^2 = 72,900$

5.  $13^2 + y^2 = 493$

6.  $14^2 + y^2 = 520$

7.  $(y18)^2 = 104,976$

8.  $\frac{9+y}{y+13} = 0.9$

9.  $(y13)^2 = 54,756$

10.  $4^2 + y^2 = 340$