

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. $14 \cdot y^2 + 5 \cdot y^2 =$

2. $5 \cdot y^2 + 12 \cdot y^2 =$

3. $7^2 + y^2 =$

4. $\frac{9+y}{y+7} =$

5. $4 \cdot y^2 + 13 \cdot y^2 =$

6. $14 \cdot y^2 + 15 \cdot y^2 =$

7. $5^2 + y^2 =$

8. $6 + \frac{11}{y} + 13^2 =$

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

10. $15^2 + y^2 =$

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Mixed.

Evaluate each expression when $y = 13$.

1. $14 \cdot y^2 + 5 \cdot y^2 = 3,211$

2. $5 \cdot y^2 + 12 \cdot y^2 = 2,873$

3. $7^2 + y^2 = 218$

4. $\frac{9+y}{y+7} = 1.1$

5. $4 \cdot y^2 + 13 \cdot y^2 = 2,873$

6. $14 \cdot y^2 + 15 \cdot y^2 = 4,901$

7. $5^2 + y^2 = 194$

8. $6 + \frac{11}{y} + 13^2 = 175.8$

9. $9^2 + y^2 = 250$

10. $15^2 + y^2 = 394$