

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 $y = 15$.

1. $18 \cdot y^2 + 2 \cdot y^2 =$

2. $17 + \frac{17}{y} + 3^2 =$

3. $\frac{18+y}{y+6} =$

4. $17 + \frac{y}{10} =$

5. $(y15)^2 =$

6. $5 + \frac{3}{y} + 4^2 =$

7. $15 + \frac{12}{y} + 2^2 =$

8. $\frac{13+y}{y+18} =$

9. $(y9)^2 =$

10. $16 \cdot y^2 + 7 \cdot y^2 =$

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Evaluate each expression when $y = 15$.

1. $18 \cdot y^2 + 2 \cdot y^2 = 4,500$

2. $17 + \frac{17}{y} + 3^2 = 27.1$

3. $\frac{18+y}{y+6} = 1.6$

4. $17 + \frac{y}{10} = 18.5$

5. $(y15)^2 = 50,625$

6. $5 + \frac{3}{y} + 4^2 = 21.2$

7. $15 + \frac{12}{y} + 2^2 = 19.8$

8. $\frac{13+y}{y+18} = 0.8$

9. $(y9)^2 = 18,225$

10. $16 \cdot y^2 + 7 \cdot y^2 = 5,175$