

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. $15 \cdot y^2 + 11 \cdot y^2 =$

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

3. $\frac{18+y}{y+5} =$

4. $11 + \frac{y}{2} =$

5. $9 + \frac{y}{16} =$

6. $18 + \frac{y}{7} =$

7. $14 \cdot y^2 + 16 \cdot y^2 =$

8. $(y18)^2 =$

9. $\frac{7+y}{y+12} =$

10. $3 \cdot y^2 + 2 \cdot y^2 =$

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Evaluate each expression when $y = 8$.

1. $15 \cdot y^2 + 11 \cdot y^2 = 1,664$

2. $\frac{6+y}{y+7} = 0.9$

3. $\frac{18+y}{y+5} = 2$

4. $11 + \frac{y}{2} = 15$

5. $9 + \frac{y}{16} = 9.5$

6. $18 + \frac{y}{7} = 19.1$

7. $14 \cdot y^2 + 16 \cdot y^2 = 1,920$

8. $(y18)^2 = 20,736$

9. $\frac{7+y}{y+12} = 0.8$

10. $3 \cdot y^2 + 2 \cdot y^2 = 320$