

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 $y = 31$.

1. $42^2 + y^2 =$

2. $(y23)^2 =$

3. $18^2 + y^2 =$

4. $42 + \frac{48}{y} + 32^2 =$

5. $33^2 + y^2 =$

6. $41 + \frac{y}{13} =$

7. $44 + \frac{y}{28} =$

8. $42 + \frac{39}{y} + 48^2 =$

9. $25 \cdot y^2 + 38 \cdot y^2 =$

10. $13 + \frac{36}{y} + 39^2 =$

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Evaluate each expression when $y = 31$.

1. $42^2 + y^2 = 2,725$

2. $(y23)^2 = 508,369$

3. $18^2 + y^2 = 1,285$

4. $42 + \frac{48}{y} + 32^2 = 1,067.5$

5. $33^2 + y^2 = 2,050$

6. $41 + \frac{y}{13} = 43.4$

7. $44 + \frac{y}{28} = 45.1$

8. $42 + \frac{39}{y} + 48^2 = 2,347.3$

9. $25 \cdot y^2 + 38 \cdot y^2 = 60,543$

10. $13 + \frac{36}{y} + 39^2 = 1,535.2$