

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 $y = 4$.

1. $7^2 + y^2 =$

2. $\frac{10+y}{y+10} =$

3. $7 + \frac{14}{y} + 7^2 =$

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

5. $(y14)^2 =$

6. $12 \cdot y^2 + 11 \cdot y^2 =$

7. $(y15)^2 =$

8. $\frac{14+y}{y+14} =$

9. $13^2 + y^2 =$

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

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Use the known variable to evaluate each expression. Show your work.
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Mixed.

Evaluate each expression when $y = 4$.

1. $7^2 + y^2 = 65$

2. $\frac{10+y}{y+10} = 1$

3. $7 + \frac{14}{y} + 7^2 = 59.5$

4. $\frac{18+y}{y+6} = 2.2$

5. $(y14)^2 = 3,136$

6. $12 \cdot y^2 + 11 \cdot y^2 = 368$

7. $(y15)^2 = 3,600$

8. $\frac{14+y}{y+14} = 1$

9. $13^2 + y^2 = 185$

10. $2^2 + y^2 = 20$