

Name: _____

Date: _____ Score: _____

Evaluating Algebraic Expressions

Evaluate each algebraic expression with the given values.

1) $p^2 + m$; where $m = 2, p = 1$

2) $x - x^2 + 1 + y$; where $x = 1, y = -1$

3) $p(r + q)$; where $p = 3, q = 6, r = 4$

4) $y - (x - x)$; where $x = 6, y = 2$

5) $p(p + m)$; where $m = 1, p = 6$

6) $j^2 h$; where $h = 2, j = 4$

7) $xy \div 6$; where $x = 5, y = 6$

8) $2p - q$; where $p = 4, q = -2$

9) $y^2 - x$; where $x = 1, y = 5$

10) $6 - (p - m)$; where $m = 1, p = -5$

11) $(x - y) \div 2$; where $x = 3, y = 1$

12) $(x + y)^2$; where $x = 1, y = 1$

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Evaluating Algebraic Expressions

Answers

1) $p^2 + m$; where $m = 2, p = 1$

3

2) $x - x^2 + 1 + y$; where $x = 1, y = -1$

0

3) $p(r + q)$; where $p = 3, q = 6, r = 4$

30

4) $y - (x - x)$; where $x = 6, y = 2$

2

5) $p(p + m)$; where $m = 1, p = 6$

42

6) $j^2 h$; where $h = 2, j = 4$

32

7) $xy \div 6$; where $x = 5, y = 6$

5

8) $2p - q$; where $p = 4, q = -2$

12

9) $y^2 - x$; where $x = 1, y = 5$

24

10) $6 - (p - m)$; where $m = 1, p = -5$

2

11) $(x - y) \div 2$; where $x = 3, y = 1$

1

12) $(x + y)^2$; where $x = 1, y = 1$

4