Name:

Date:

Evaluating Two Variables

Evaluate each expression using the values given.

1) $a^2 - b; a = 2, b = 1$

2) $4(2x - 8 + 2k); x = -2, k = 1$

3) $4x - 2 + 5y; x = 1, y = -2$

4) $(-4)(-2a - 5b); a = 1, b = 5$

5) $(-1)(7y + 6x); x = 5, y = 1$

6) $6 + 3(-2y + 6x); y = 1, x = 4$

7) $(-5)(2x - 1) - 2(2y + 3); x = 5, y = -1$

8) $12x^2 + 3y - 7; x = 1, y = -1$

9) $5a - (3a + 8b); a = -2, b = 3$

10) $2x(y - 10); x = 3, y = 5$

11) $x^2 + 2x - 5y; x = -3, y = -2$

12) $y + yx; x = 10, y = 5$

13) $-7(x^2 - 5x + y); x = 3, y = -3$

14) $(-5)(8x + 1) + 4(y); x = -2, y = 5$

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Name:

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Evaluating Two Variables

Answers

Evaluate each expression using the values given.

1) $a^2 - b; a = 2, b = 1$
3

2) $4(2x - 8 + 2k); x = -2, k = 1$
-40

3) $4x - 2 + 5y; x = 1, y = -2$
10

4) $(-4)(-2a - 5b); a = 1, b = 5$
108

5) $(-1)(7y + 6x); x = 5, y = 1$
-37

6) $6 + 3(-2y + 6x); y = 1, x = 4$
72

7) $(-5)(2x - 1) - 2(2y + 3); x = 5, y = -1$
-47

8) $12x^2 + 3y - 7; x = 1, y = -1$
2

9) $5a - (3a + 8b); a = -2, b = 3$
-52

10) $2x(y - 10); x = 3, y = 5$
-30

11) $x^2 + 2x - 5y; x = -3, y = -2$
13

12) $y + yx; x = 10, y = 5$
55

13) $-7(x^2 - 5x + y); x = 3, y = -3$
63

14) $(-5)(8x + 1) + 4(y); x - 2, y = 5$
55

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