

Name: _____

Date _____

Topic: Evaluating Variable Expressions - Worksheet 1

Evaluate the following:



1. Evaluate $(2x-y)^3 - (5-xy-6)$ for $x=-3$ and $y=5$

2. Evaluate $3r+4s-(7-rs-6rs)$ when $r=7$ and $s=6$

3. Evaluate $x + 5 - xy + 6 + 2y \div (-y)$ for $x=3$ and $y=1$

4. Evaluate $6d+3d^2+3e-e/6d+d-e$ for $d=5$ and $e=2$

5. Evaluate $y^2+3/4x^3-2z^3$ when $x=4$, $y=2$ and $z=3$

6. Evaluate $x-y+5x-3xy+4$ for $x=-6$ and $y=1$

7. Evaluate $4x-(5xy-3x)-6y-2x$ for $x=3$ and $y=2$

8. Evaluate $7r-8s+5r+rs-6$ when $r=4$ and $s=-2$

9. Evaluate $(x + xy) - (-4y-3)x+6$ for $x=3$ and $y=2$

10. Evaluate $7-de-3d-e/-e-(-4d-e)$ for $d=6$ and $e=4$



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Topic: Evaluating Variable Expressions - Worksheet 2

Evaluate the following:

1. Evaluate $(4x-y)^3 - (4-xy-2)$ for $x=-2$ and $y=3$
2. Evaluate $2r+3s-(6-rs-3rs)$ when $r=6$ and $s=5$
3. Evaluate $x-4-xy+3+4y/x-(-y)$ for $x=6$ and $y=3$
4. Evaluate $4d+5d^2+3e-e/5d+d-e$ for $d=4$ and $e=2$
5. Evaluate $y^2+6/4x^3-3z^3$ when $x=4, y=2$ and $z=2$
6. Evaluate $x-y+6x-4xy+6$ for $x = -4$ and $y = 7$
7. Evaluate $8x-(6xy-5x)-6y-4x$ for $x=3$ and $y=2$
8. Evaluate $6r-6s+9r+rs-7$ when $r=5$ and $s=-2$
9. Evaluate $(x + xy)-(-5y-3)x+4$ for $x=2$ and $y=4$
10. Evaluate $6-de-2d-e/-e-(-2d-e)$ for $d=4$ and $e=6$



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Topic: Evaluating Variable Expressions - Worksheet 3

Evaluate the following:

1. Evaluate $(6x-y)^2 - (2-xy-4)$ for $x=-3$ and $y=5$
2. Evaluate $2r+5s-(4-rs-4rs)$ when $r=4$ and $s=3$
3. Evaluate $x-5-xy+4+3y/x-(-y)$ for $x=5$ and $y=2$
4. Evaluate $5d+4d^2+3e-e/6d+d-e$ for $d=8$ and $e=3$
5. Evaluate $y^2+5/8x^3-3z^3$ when $x=3, y=2$ and $z=2$
6. Evaluate $x-y+5x-6xy+4$ for $x=-6$ and $y=1$
7. Evaluate $7x-(4xy-6x)-3y-4x$ for $x=3$ and $y=2$
8. Evaluate $5r-4s+3r+rs-8$ when $r=8$ and $s=-2$
9. Evaluate $(x + xy)-(-4y-2)x+4$ for $x=2$ and $y=4$
10. Evaluate $3-de-2d-e/-e-(-2d-e)$ for $d=4$ and $e=2$



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Topic : Evaluating Variable Expressions - Worksheet 4

Evaluate the following:

1. Evaluate $(5x-y)^3 - (3-xy-4)$ for $x=-2$ and $y=2$
2. Evaluate $3r+2s-(3-rs-3rs)$ when $r=-5$ and $s=3$
3. Evaluate $x-6-xy+2+3y/x-(-y)$ for $x=4$ and $y=2$
4. Evaluate $8d+6d^2+2e-e/5d+d-e$ for $d=4$ and $e=3$
5. Evaluate $y^2+6/5x^3-2z^3$ when $x=2, y=3$ and $z=4$
6. Evaluate $x-y+6x-5xy+2$ for $x=-3$ and $y=1$
7. Evaluate $4x-(6xy-2x)-3y-3x$ for $x=3$ and $y=3$
8. Evaluate $3r-2s+2r+rs-4$ when $r=6$ and $s=-2$
9. Evaluate $(x + xy)-(-3y-3)x+6$ for $x=5$ and $y=2$
10. Evaluate $4-de-3d-e/-e-(-4d-e)$ for $d=4$ and $e=2$



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Topic : Evaluating Variable Expressions - Worksheet 5

Evaluate the following:

1. Evaluate $(6x-y)^2 - (2-xy-3)$ for $x=3$ and $y=2$
2. Evaluate $7r+6s-(8-rs-5rs)$ when $r=8$ and $s=4$
3. Evaluate $x-3-xy+7+3y/x-(-y)$ for $x=2$ and $y=1$
4. Evaluate $7d+8d^2+3e-e/5d+d-e$ for $d=2$ and $e=2$
5. Evaluate $y^2+5/3x^3-1z^3$ when $x=2, y=2$ and $z=1$
6. Evaluate $x-y+4x-3xy+2$ for $x=-2$ and $y=2$
7. Evaluate $5x-(6xy-4x)-3y-5x$ for $x=7$ and $y=3$
8. Evaluate $2r-3s+4r+rs-5$ when $r=6$ and $s=-2$
9. Evaluate $(x + xy) - (-4y-3)x+5$ for $x=6$ and $y=4$
10. Evaluate $8-de-2d-e/-e-(-6d-e)$ for $d=4$ and $e=2$

