

Basic Skills: Evaluating Variable Expressions
Independent Practice 1: Evaluate.

1. $x+2y;$
 $x=2, y=3$

2. $2x+4y+3z;$
 $x=2, y=4, z=-3$

3. $5x-3y+4z;$
 $x=-1, y=5, z=6$

4. $(x+y)/xy;$
 $x=7, y=6$

5. $x^2+4/y^2;$
 $x=4, y=7$

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

7. $5xy+4yz+3zx;$
 $x=-1, y=-3, z=4$

8. $6(2xy+5yz+7zx) ;$
 $x=-2, y=3, z=1$

9. $(3x+y)+(3y+z)+(3z+x) ;$
 $x=-4, y=3, z=-2$

10. $75-(3xyz/4) ;$
 $x=4, y=-5, z=6$

Basic Skills: Evaluating Variable Expressions
Independent Practice 2: Evaluate.

1. $9x+xy+3y-12z;$
 $x=-1, y=1, z=-3$

2. $7x+4y+3z-15;$
 $x=2, y=5, z=6$

3. $7xy+5yz+3zx-40;$
 $x=3, y=-4, z=5$

4. $(x+y)+3(2x+2y+2z) ;$
 $x=2, y=4, z=6$

5. $(2x+y+z)-(x+y-2z) ;$
 $x=8, y=7, z=4$

6. $(1+x+y)+(1-x+y) ;$
 $x=9, y=11$

7. $(x+1)+(y+1)+(z+1)-(z-1) ;$
 $x=6, y=7, z=3$

8. $2\{(5x+4y)+(6x+4y)\} ;$
 $x=-3, y=2$

9. $\{(x/3)+(y/4)+4\}\{x+y+z\};$
 $x=3, y=4, z=8$

10. $4z(x+y) ;$
 $x=5, y=7, z=1$

Name _____ Date _____

Answer Key: Evaluating Variable Expressions

Independent Practice 1

1	8	2	11	3	4	4	13/42
5	20/49	6	1/3	7	-45	8	144
9	-12	10	-15				

Independent Practice 2

1	29	2	37	3	-179	4	78
5	20	6	24	7	17	8	-34
9	90	10	48				