

**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

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

#### Independent Practice 2

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