**Write an algebraic expression for each verbal expression.**

1. One-third the cube of $y$
2. The ratio between $a$ and $b$
3. The product of $x$ and $y$
4. Five more than three times a number $x$
5. Two times the quantity seven plus $x$
6. Nine divided by $u$
7. $m$ plus four squared
8. Three divide by a number $x$

**Find each value.**

1. $12^{3}$$=12⋅12⋅12$
2. $4^{5}$$=4⋅4⋅4⋅4⋅4$
3. $11^{4}$$=11⋅11⋅11⋅11$
4. $8^{2}$$=8⋅8$

**Write a verbal expression for each algebraic expression.**

1. $10-2x$
2. $2x^{2}+11$
3. $11y$
4. $x^{2}-5x$
5. $3^{4}$
6. $6x-12$
7. $2x-15$
8. $23÷v$

**ANSWER | Write an algebraic expression for each verbal expression.**

1. One-third the cube of $y$$=\frac{1}{3}y^{3}$
2. The ratio between $a$ and $b$$=\frac{a}{b}$
3. The product of $x$ and $y$$=x⋅y$
4. Five more than three times a number $x$ $=3x+5$
5. Two times the quantity seven plus $x$$=2\left(7+x\right)$
6. Nine divided by $u$$=\frac{9}{u}$
7. $m$ plus four squared $=m+4^{2}$
8. Three divide by a number $x$ $=\frac{3}{x}$

**Find each value.**

1. $12^{3}$$=12⋅12⋅12$$=1728$
2. $4^{5}$$=4⋅4⋅4⋅4⋅4$$=1024$
3. $11^{4}$$=11⋅11⋅11⋅11$$=14641$
4. $8^{2}$$=8⋅8$$=64$

**Write a verbal expression for each algebraic expression.**

1. $10-2x$ = the difference of ten and twice a number $x$
2. $2x^{2}+11$ = two times $x$ squared plus eleven
3. $11y$ = eleven times $y$
4. $x^{2}-5x$ = $x$ squared minus five times a number $x$
5. $3^{4}$ = three to the fourth power
6. $6x-12$ = six times $x$ minus twelve
7. $2x-15$ = twice a number $x$ minus fifteen
8. $23÷v$ = twenty three divided by $v$