**1-1 Practice**

***Variables and Expressions***

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

 **1.** 23*f* **2.** $7^{3}$

 **3.** 5$m^{2}$ + 2 **4.** 4$d^{3}$ – 10

 **5.** $x^{3}∙ y^{4}$ **6.** $b^{2}$ – 3$c^{3}$

 **7.** $\frac{k^{5}}{6}$ **8.** $\frac{4n^{2}}{7}$

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

 **9.** the difference of 10 and *u*

**10.** the sum of 18 and a number

**11.** the product of 33 and *j*

**12.** 74 increased by 3 times *y*

**13.** 15 decreased by twice a number

**14.** 91 more than the square of a number

**15.** three fourths the square of *b*

**16.** two fifths the cube of a number

**17. BOOKS** A used bookstore sells paperback fiction books in excellent condition for $2.50 and in fair condition for $0.50. Write an expression for the cost of buying *x* excellent-condition paperbacks and *f* fair-condition paperbacks.

**18. GEOMETRY** The surface area of the side of a right cylinder can be found by multiplying twice the number π by the radius times the height. If a circular cylinder has radius *r* and height *h*, write an expression that represents the surface area of its side.