

Name: _____



Translating Variable Expressions

Part I Write a statement for each of the following algebraic expressions:

1.) $x + 7$

5.) $6a + 20$

2.) $y - 4$

6.) $4j \div 7$

3.) $3z$

7.) $5x^2$

4.) $\frac{m}{5}$

8.) $9 - 3k$

Part II Write an algebraic expression for each of the following statements:

9.) The quotient of twice a number and eleven

13.) Three times a number minus four times a different number.

10.) Twenty times a number

14.) The quotient of ten times a number squared and negative five

11.) The sum of five times a number and nineteen

15.) The product of thirteen and a number cubed

12.) The difference of eight and a number squared

16.) The difference of three times a number and five times the same number squared

ANSWER KEY

1.) The sum of a number and seven

5.) Six times a number plus twenty

2.) The difference of a number and four

6.) The quotient of four times a number and seven

3.) Three times a number

7.) Five times a number squared

4.) A number divided by five

8.) The difference of nine and three times a number

9.) $2x \div 7$

13.) $3x - 4y$

10.) $20x$

14.) $10x^2 \div (-5)$

11.) $5x + 19$

15.) $13x^3$

12.) $8 - x^2$

16.) $3x - 5x^2$