Name: _____

Translating Variable Expressions

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

1.) $\dfrac{t}{8}$

5.) $\dfrac{8}{2x+6}$

2.) $11y - 12$

6.) $-10y^2$

3.) $3x + 3$

7.) $3x + (y - 2)$

4.) $9 + \dfrac{m}{2}$

8.) $-5x \div 15$

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

9.) The quotient of a number squared and sixteen.

13.) Two times a number more than one third of the same number.

10.) Sixty more than five times a number.

14.) The quotient of three times a number and the sum of a different number and one

11.) The sum of negative eleven and sixteen times a number squared.

15.) The product of twenty-one and a number squared

12.) The difference of fourteen and half of seven times a number

16.) The sum of a third of a number and the product of a different number and seventeen

1.) The quotient of a number and eight

2.) The difference of eleven times a number and twelve

3.) The sum of three times a number and three

4.) Nine plus half of a number

5.) The quotient of eight and the sum of twice a number and six

6.) Negative ten times a number squared

7.) The sum of three times a number and the difference of a different number and two

8.) The quotient of negative five times a number and fifteen.

9.) $x^2 \div 16$

10.) $5x + 60$

11.) $-11 + 16y^2$

12.) $14 - \dfrac{7x}{2}$

13.) $\dfrac{x}{3} + 2x$

14.) $3x \div (y + 1)$

15.) $21m^2$

16.) $\dfrac{x}{3} + 17y$