

## Day 5 – Translating Algebraic Expressions Practice

1. Write each phrase as an algebraic expression:

a. Fourteen decreased by a number  $p$ .

$$14 - p$$

b. Five more than twice a number.

$$2x + 5$$

c. 14 less than  $m$ .

$$m - 14$$

d. 18 more than  $y$ .

$$y + 18$$

e. The quotient of a number and 9

$$\frac{n}{9}$$

f. The product of 5 and  $y$  added to 3

$$3 + 5y$$

g. 4 times a number cubed decreased by 7

$$4x^3 - 7$$

h. 3 more than four times a number

$$4x + 3$$

i. Nine less than twice a number

$$2x - 9$$

j. A number decreased by four

$$x - 4$$

k. One less than three times a number

$$3x - 1$$

l. The ratio of  $c$  to  $d$

$$\frac{c}{d}$$

m. Twelve subtracted from a number

$$x - 12$$

n. The sum of three times a number and five

$$3x + 5$$

o. Three times the difference of a number cubed & ten

$$3(n^3 - 10)$$

p. Two times the quantity of  $p$  and three

$$2(p + 3)$$

q. Four times the difference of a number square and six

$$4(x^2 - 6)$$

r. Eight times the sum of a number and five

$$8(x + 5)$$