**Activity 1.4.2 Inside Changes, Outside Changes Part 2**

1. Suppose that *N*(*d*) is a function that represents the number of Snapchat followers for the movie star Emilia Clarke after *d* days. Write a mathematical expression for each of the following:

1. The number of Snapchat followers after 6 days
2. Triple the number of Snapchat followers for that day.
3. Seven more than the number of Snapchat followers after d days.
4. The number of Snapchat followers after doubling the number of days.

2. Suppose that *T*(*x*) is a function that represents the number of views for the You Tube video “Charlie Bit Me” after *x* minutes have passed. Describe in words what each of the following expressions means:

A. 2*T*(*x*)

B. *T*(2*x*)

C. *T*(*x* + 10)

D. *T*(*x*) + 10

3. Suppose that *V*(*x*) is a function that represents the number of votes Olivia Bevilacqua receives after x minutes have passed since her audition from "The Next Generation”.

Write a mathematical expression for each of the following:

1. The number of votes after doubling the number of *x* + 10 minutes.

1. The number of votes after x + 30 minutes.

1. Twenty more than the number of votes after x minutes.
2. Triple the number of votes for x + 20 minutes.

4. Suppose that *F(x)* is a function that represents the cost in dollars of making x items. Describe in words what each of the following expressions means:

A. 3*F(x)*

B. *F(*3*x)*

C. 2*F(x +*15*)*

D.  *F(x)* + 5