3. Given the function $c(v)=v^2+v$,
the average rate of change from $v=-1$ to $v=6$ is:

7

-6

6

5

Solution

Using the average rate of change formula:

The average rate of change $= \frac{c(6)-c(-1)}{6-(-1)}$

$= \frac{(1(6)^2+1(6))-(1(-1)^2+1(-1))}{7}$

$= \frac{42-0}{7}$

$= 6$