9. Given the function $v(d)=d^2+4d$,
the average rate of change from $d=-1$ to $d=6$ is:

10

-9

9

8

Solution

Using the average rate of change formula:

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

$= \frac{(1(6)^2+4(6))-(1(-1)^2+4(-1))}{7}$

$= \frac{60-(-3)}{7}$

$= 9$