2. Given the function $p(r)=2r^2+2r$,
the average rate of change from $r=0$ to $r=6$ is:

15

-14

14

13

Solution

Using the average rate of change formula:

The average rate of change $= \frac{p(6)-p(0)}{6-0}$

$= \frac{(2(6)^2+2(6))-(2(0)^2+2(0))}{6}$

$= \frac{84-0}{6}$

$= 14$