2. Given the function $t(h)=2h^2+4h$,
the average rate of change from h=0 to h=6 is:

17

-16

16

15

Solution

Using the average rate of change formula:

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

$= \frac{(2(6)^2+4(6))-(2(0)^2+4(0))}{6}$

$= \frac{96-0}{6}$

$= 16$