6. Given the function $t(v) = 2v^2 + 3v$, the average rate of change from v=2 to v=5 is:

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Solution
Using the average rate of change formula

Using the average rate of change formula: The average rate of change = $\frac{t(5)-t(2)}{5-2}$

$$= \frac{(2(5)^2+3(5))-(2(2)^2+3(2))}{3}$$

 $= \frac{65-14}{3}$