1. Given the function y(m)=2 m²+4 m ,
the average rate of change from m=3 to m=5 is:

Salutio

Solution
Using the average rate of change formula:

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The average rate of change =
$$\frac{y(5)-y(3)}{5-3}$$

= $\frac{(2(5)^2+4(5))-(2(3)^2+4(3))}{2}$

$$= \frac{70-30}{2}$$

= 20