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2. Given the function e(a) = a^2 + 4a.
find an equation of the secant line containing (1.e(1))
and (5,e(5)). Express the equation in slope-intercept form.
n = -15 + 10 a
n = 15 - 10 a
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n = -5 + 10 a

Solution

= 10 using one of the points, say (1,5) and the slope to get the equation of the secant line:

$$= \frac{(1(5)^2 + 4(5)) - (1(1)^2 + 4(1))}{4}$$

$$= \frac{45 - 5}{4}$$

$$= 10$$

n-5 = 10(a-1)The equation in slope-intercep form: