

Exercise 107

A car was purchased for \$26,000. The value of the car depreciates by \$1500 per year.

- a. Find a linear function that models the value V of the car after t years.
 - b. Find and interpret $V(4)$.
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Solution

The value of the car after t years is

$$V(t) = 26\,000 - 1500t.$$

$V(4)$ is the car's value after 4 years.

$$V(4) = 26\,000 - 1500(4) = \$20\,000$$