

### Examples 1.4 – Integrals of Constant Functions

1. Evaluate each of the following.

(a)  $(9x - 12)'$       (b)  $\int 9 dt$       (c)  $(2.991 - 0.423u)'$       (d)  $\int (-0.423) dT$

**Solution:**

2. If a savings account increases by \$110 per month, then how much money is saved from month 5 to month 10?

**Solution:**

3. Evaluate  $\int_{-3}^6 (-4) dx$  and sketch the geometrical interpretation of the answer.

**Solution:**