Other ways to compute the overtime Pay: many

\[ P = 10 \times 40 + 15 \times (H - 40) \]
\[ = 400 + 15 \times 10 \]
\[ = 550 \]

\[ P = 10 \times H + 5 \times (H - 40) \]
\[ = 10 \times 50 + 5 \times 10 \]
\[ = 550 \]

\[ P = 15 \times H - 5 \times 40 \]
\[ = 15 \times 50 - 200 - 5 \times 10 \]
\[ = 550 \]

When there are many ways: some may be better.

New View:
Pay \( P \) is the area under the \( R \) vs \( H \) curve called an **Integral**

\[ P = \int_{0}^{H} r \, dh \]