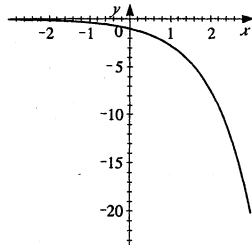3. $y = -e^x$

The graph of $y = -e^x$ is obtained from the graph of $y = e^x$ by reflecting it about the x-axis.

Domain: $(-\infty, \infty)$

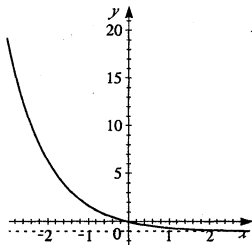Range: $(-\infty, 0)$

Asymptote: $y = 0$

5. $y = e^{-x} - 1$

The graph of $y = e^{-x} - 1$ is obtained from the graph of $y = e^x$ by reflecting it about the y-axis then shifting downward 1 unit.

Domain: $(-\infty, \infty)$

Range: $(-1, \infty)$

Asymptote: $y = -1$

7. $y = e^{x-2}$

The graph of $y = e^{x-2}$ is obtained from the graph of $y = e^x$ by shifting it to the right 2 units.

Domain: $(-\infty, \infty)$

Range: $(0, \infty)$

Asymptote: $y = 0$