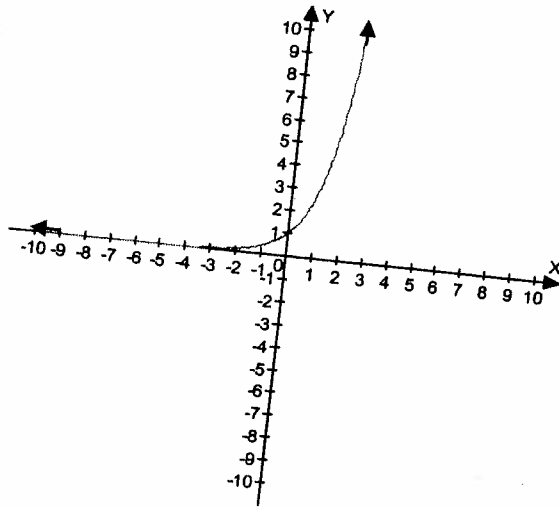


- 2) Describe the transformations on the following graph of $f(x) = e^x$. State the placement of the horizontal asymptote and y-intercept after the transformation. For example, *left 1* or *reflected about the y-axis* are descriptions.



a) $g(x) = e^x + 2$

Description of transformation:

Equation(s) for the Horizontal Asymptote(s):

y-intercept in (x, y) form:

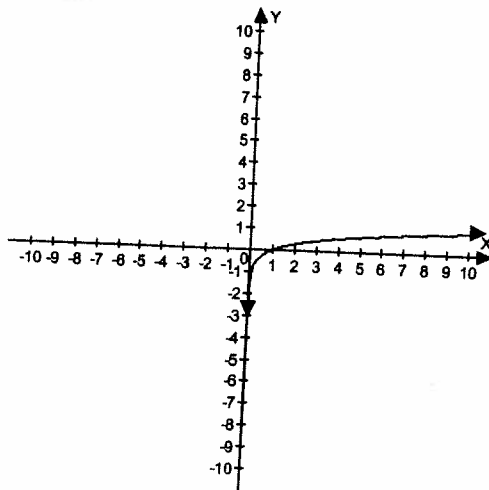
b) $h(x) = -e^x$

Description of transformation:

Equation(s) for the Horizontal Asymptote(s):

y-intercept in (x, y) form:

- 3) Describe the transformations on the following graph of $f(x) = \log(x)$. State the placement of the vertical asymptote and x-intercept after the transformation. For example, *left 1* or *stretched vertically by a factor of 2* are descriptions.



a) $g(x) = \log(x - 3)$

Description of transformation:

Equation(s) for the Vertical Asymptote(s):
x-intercept in (x, y) form:

b) $g(x) = \log(-x)$

Description of transformation:

Equation(s) for the Vertical Asymptote(s):

x-intercept in (x, y) form: