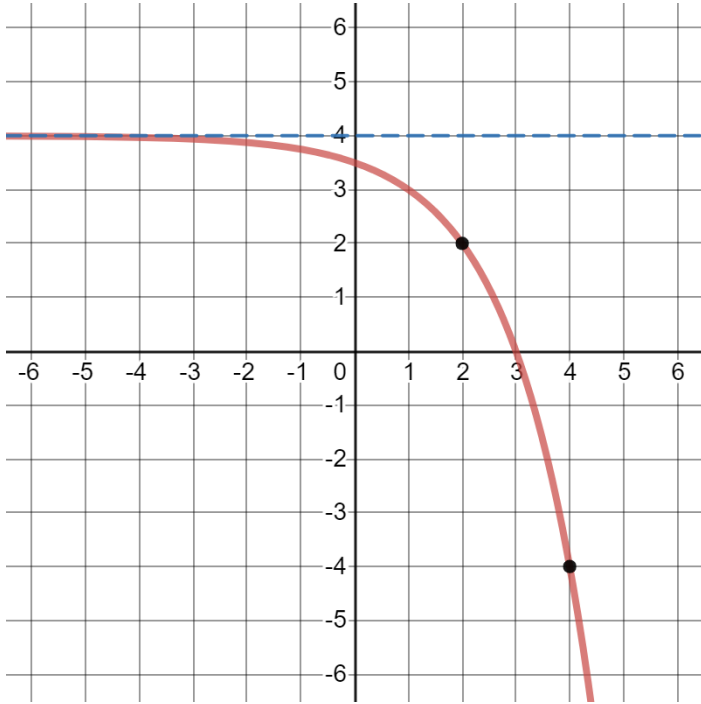


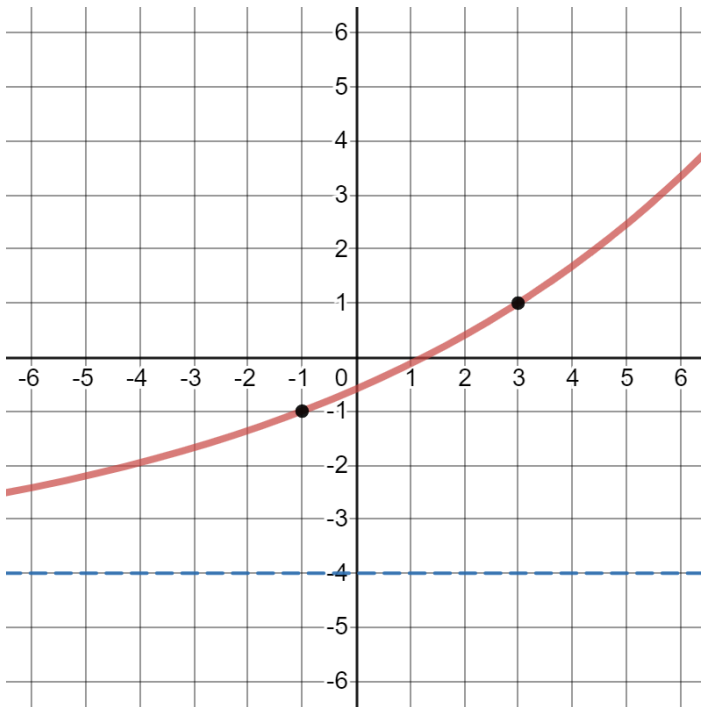
Determine the equation in base e to the following curves:

1.



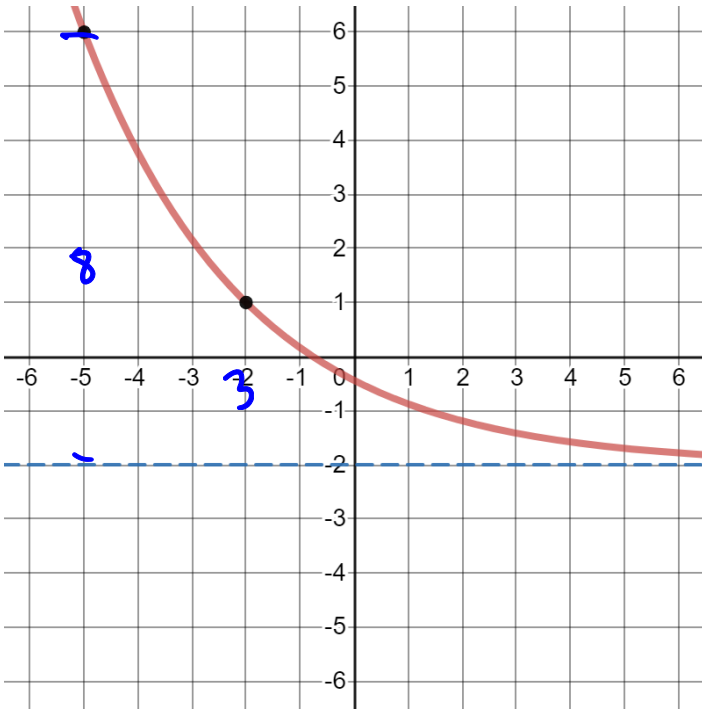
$$f(x) = -2(4)^{\frac{x-2}{2}} + 4$$
$$= -2e^{\frac{\ln 4}{2}(x-2)} + 4$$

2.



$$g(x) = 3\left(\frac{5}{3}\right)^{\frac{x+1}{4}} - 4$$
$$= 3e^{\frac{\ln(5/3)}{4}(x+1)} - 4$$

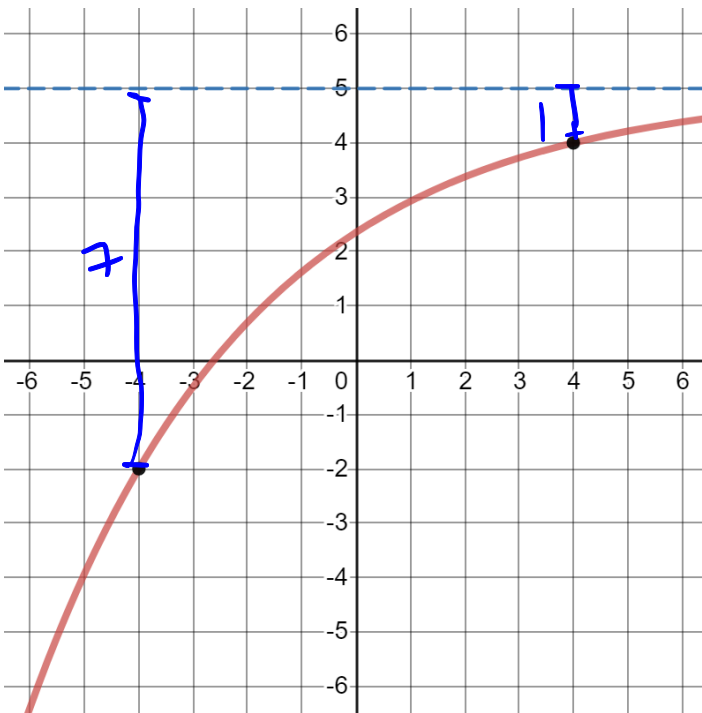
3.



$$h(x) = 3 \left(\frac{8}{3} \right)^{\frac{x+2}{-3}} - 2$$

$$= 3 e^{\frac{-\ln(8/3)}{3}(x+2)} - 2$$

4.



$$p(x) = -7 \left(\frac{1}{7} \right)^{\frac{x+4}{8}} + 5$$

$$= -7 e^{\frac{\ln(1/7)}{8}(x+4)} + 5$$