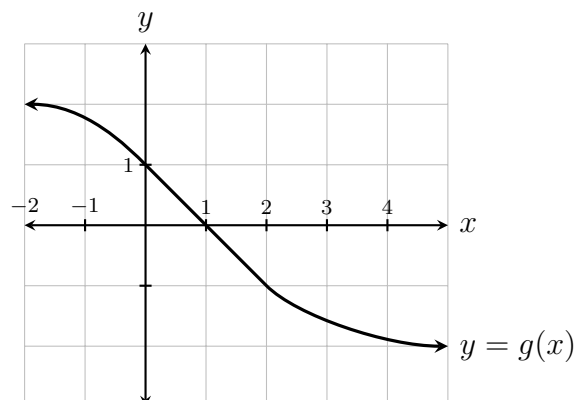
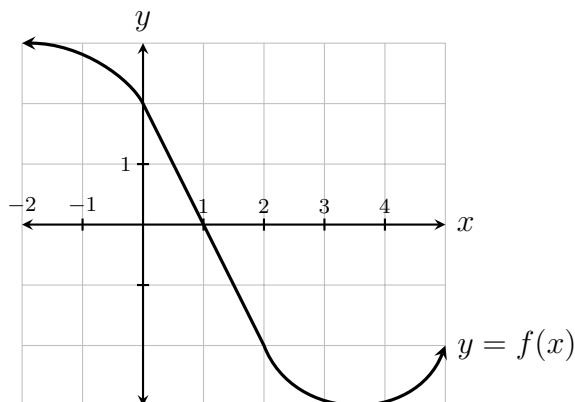


1.
$$\lim_{x \rightarrow 0} \frac{e^x - e^{-x}}{\sin(x)} =$$

2.
$$\lim_{x \rightarrow 0} \frac{2 - \ln|x^2|}{1 + \ln|x^3|} =$$

3.
$$\lim_{x \rightarrow 0} x^2 \ln|x| =$$

4. Given the functions $f(x)$ and $g(x)$ graphed below, find $\lim_{x \rightarrow 1} \frac{f(x)}{g(x)}$

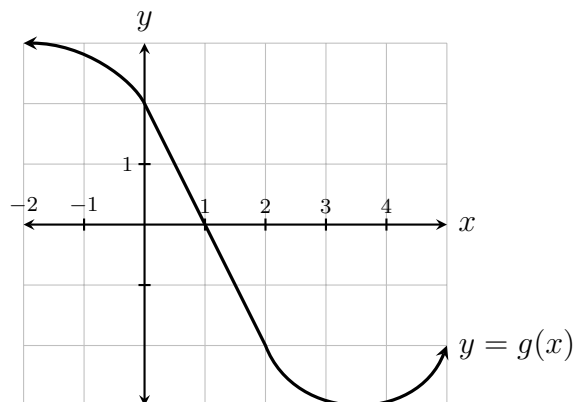
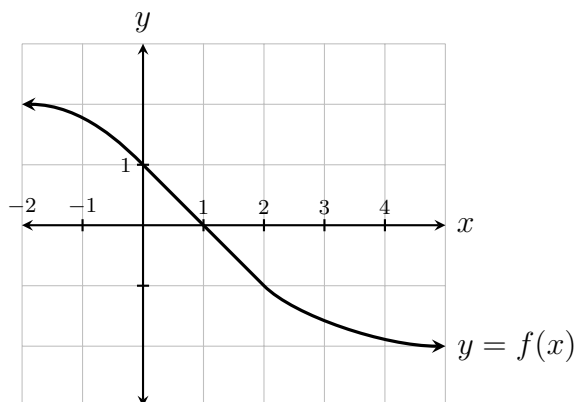


1.
$$\lim_{x \rightarrow 1} \frac{1-x}{\ln|x|} =$$

2.
$$\lim_{x \rightarrow 0^+} \sin(x) \ln(x) =$$

3.
$$\lim_{x \rightarrow \infty} \frac{5x^2 + e^x}{x^2 - 6 + 5e^x} =$$

4. Given the functions $f(x)$ and $g(x)$ graphed below, find $\lim_{x \rightarrow 1} \frac{f(x)}{g(x)}$

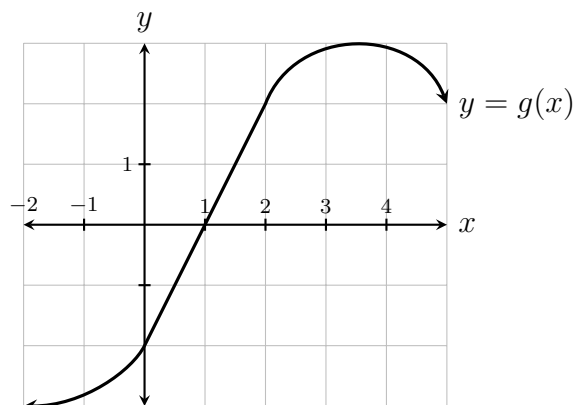
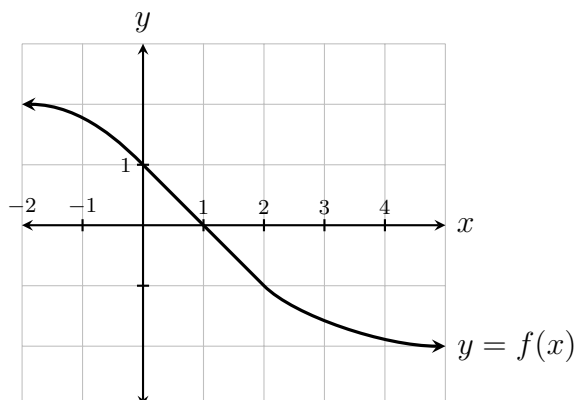


1.
$$\lim_{x \rightarrow 1} \frac{\sin(\pi x - \pi)}{4 - 4x} =$$

2.
$$\lim_{x \rightarrow \infty} x e^{-x} =$$

3.
$$\lim_{x \rightarrow \infty} \frac{e^x}{1 + \ln(x)} =$$

4. Given the functions $f(x)$ and $g(x)$ graphed below, find $\lim_{x \rightarrow 1} \frac{f(x)}{g(x)}$



1.
$$\lim_{x \rightarrow 0} \frac{\cos(x) - 1}{x^2} =$$

2.
$$\lim_{x \rightarrow 0} x \ln |x| =$$

3.
$$\lim_{x \rightarrow \infty} \frac{\ln(x)}{e^x} =$$

4. Given the functions $f(x)$ and $g(x)$ graphed below, find $\lim_{x \rightarrow 1} \frac{f(x)}{g(x)}$

