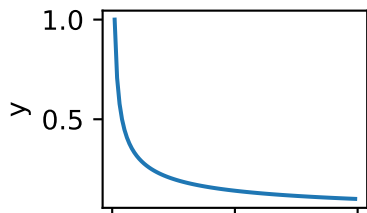
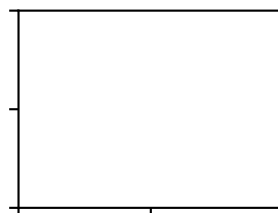
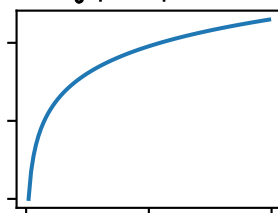


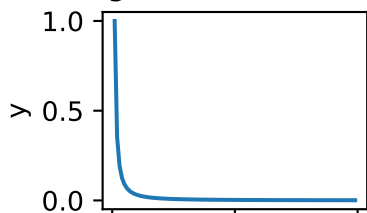
$$f(x) = x^{-\frac{1}{2}}$$



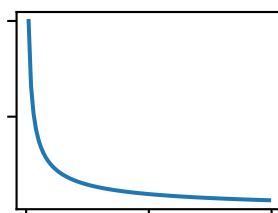
$$\int |x^{-\frac{1}{2}}|^2 dx$$



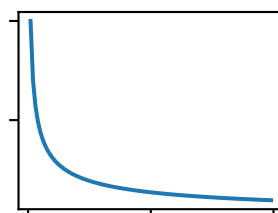
$$g(x, \varepsilon) = x^{-(\frac{1}{2} + 1)}$$



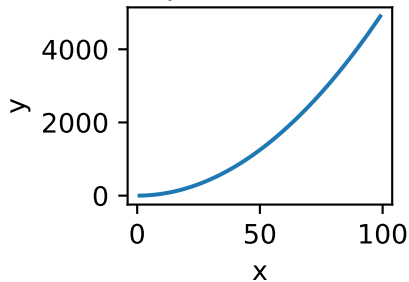
$$x^{-(\frac{1}{2} + 1/10)}$$



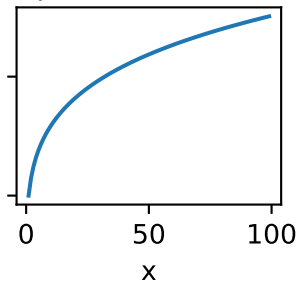
$$x^{-(\frac{1}{2} + 1/100)}$$



$$\int |x^{-\frac{1}{2} + 1}|^2 dx$$



$$\int |x^{-\frac{1}{2} + 1/10}|^2 dx$$



$$\int |x^{-\frac{1}{2} + 1/100}|^2 dx$$

