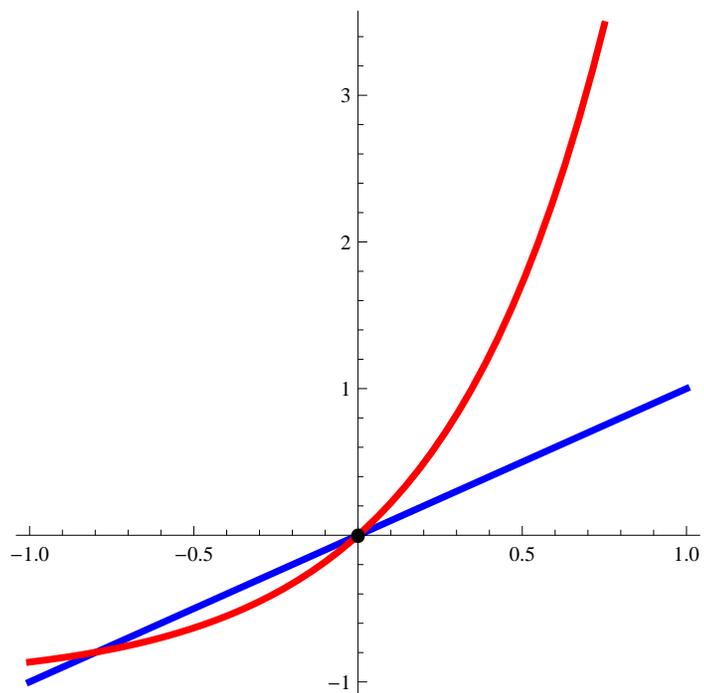


Lecture 13: Worksheet

Hopital's rule

1 What does l'Hopital's rule say about

$$\lim_{x \rightarrow 0} \frac{\exp(2x) - 1}{x}.$$



2 Apply l'Hopital's rule to get the limit of

$$f(x) = \frac{\sin(100x)}{\sin(200x)}$$

for $x \rightarrow 0$.

