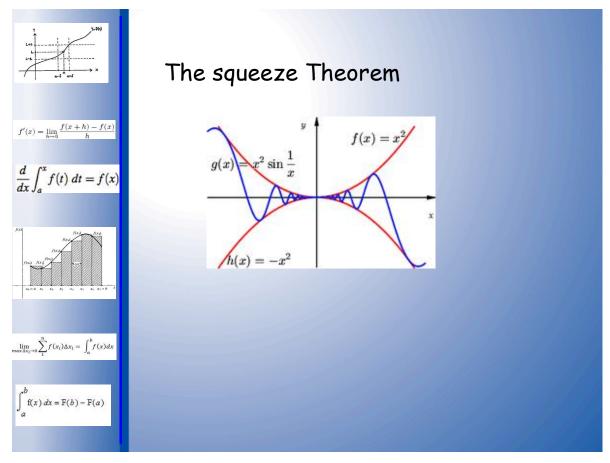
4.5 Squeeze Theorem



Squeeze Theorem

Let *f*, *g*, *h* be functions satisfying $f(x) \le g(x) \le h(x)$ for every *x* near *c*, except possibly at *x*=*c*.

If $\lim_{x\to c} f(x) = \lim_{x\to c} h(x) = L$, then $\lim_{x\to c} g(x) = L$

4.5 Squeeze Theorem

Ex 9 Use the squeeze theorem to determine this limit.

 $\lim_{x\to\infty} x^{-\frac{1}{2}} \sin x =$

