

#### **Quotient Rule**

 $y = \frac{x}{\sqrt{x} - 1}$ 

I

2

3

4

### **Quotient Rule**

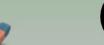












$$\frac{d}{dx}[\sin x] = \cos x$$

$$\frac{d}{dx}[\sin x] = \cos x \qquad \frac{d}{dx}[\cos x] = -\sin x$$

$$\frac{d}{dx}[\tan x] = \sec^2 x$$

$$\frac{d}{dx}[\tan x] = \sec^2 x \frac{d}{dx}[\cot x] = -\csc^2 x$$

$$\frac{d}{dx}[\csc x] = -\csc x \cot x$$

$$\frac{d}{dx}[\csc x] = -\csc x \cot x$$
  $\frac{d}{dx}[\sec x] = \sec x \tan x$ 





$$f(x) = \int_{D} \sin x$$

$$h(x) = 5x^3 + \cos x$$











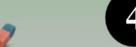


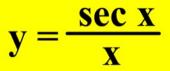
















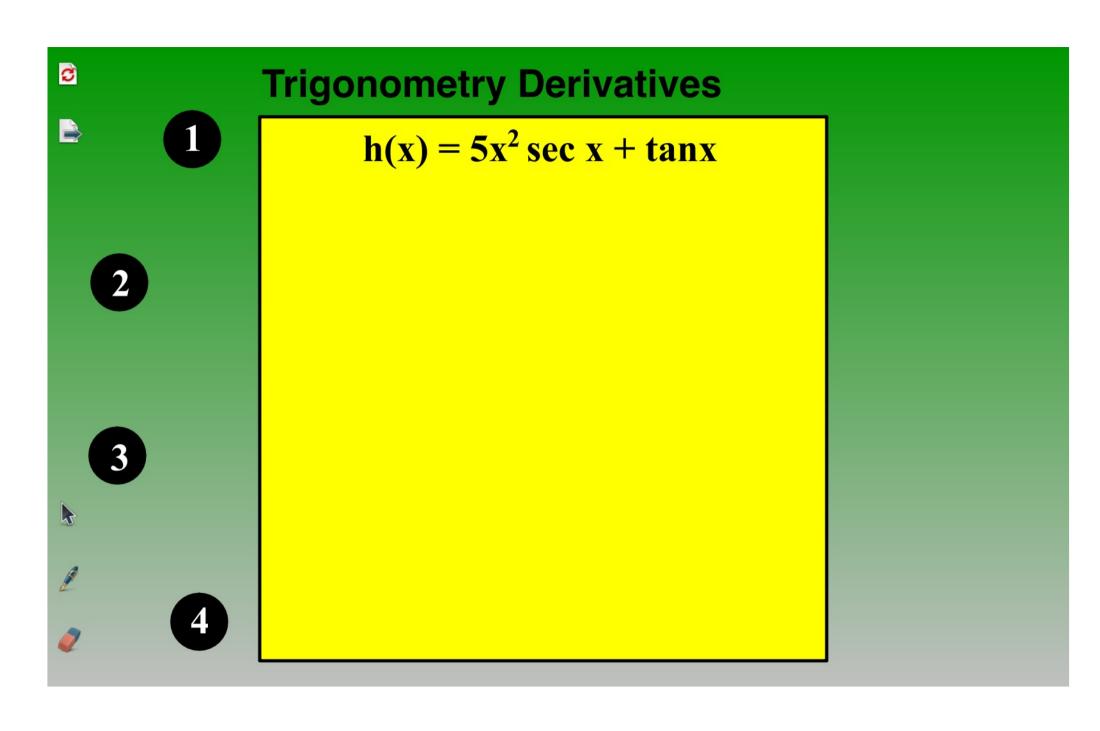


 $f(x) = x^3 \csc x$ 









# H e W o r k

p. 126 # 1-33 odd, 39-53odd, 63-67odd, 73, 103-108

