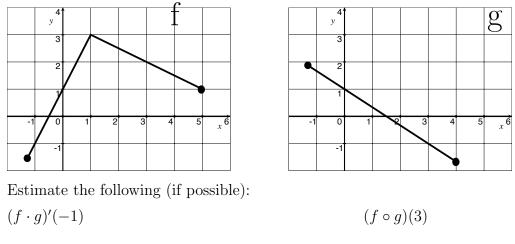
Derivatives of Products & Quotients

1. Let f be the function graphed on the left and g be the function graphed on the right.



2. Find: $\frac{d}{dx}(ex^2)$ $\frac{d}{dx}\left(\frac{e^x}{3x+2}\right)$ $[(x+3)^{17}(e^x-5)]'$ e^{3x^7+4}

3. Consider the function $f(x) = \frac{6x}{1+3x^2}$. Find where the function f has a horizontal tangent line.