

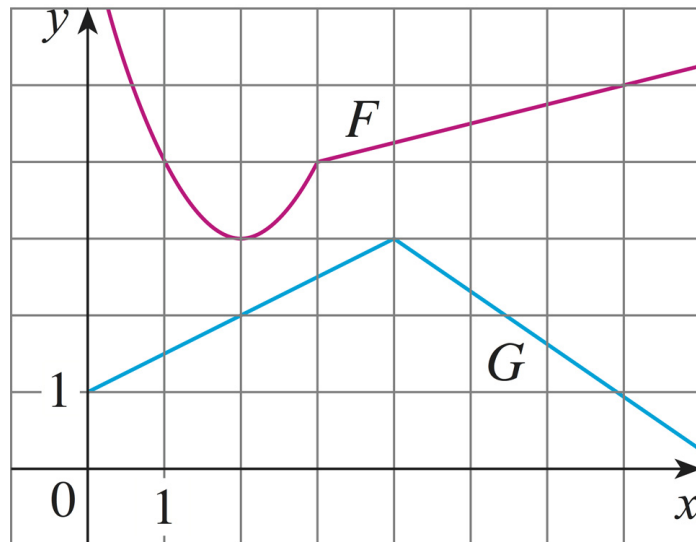
Name:

Sec. 3.2 - Product and Quotient Rules

Math 251

1. If $f(x) = e^x g(x)$, where $g(0) = 2$ and $g'(0) = 5$, find $f'(0)$.

2. Let $P(x) = F(x)G(x)$ and $Q(x) = F(x)/G(x)$ where F and G are functions whose graphs are shown below.



Find

(a) $P'(2)$

(b) $Q'(7)$