## **Derivatives of Inverse Functions**

1. If m(x) is the inverse of f(x), then m'(x) = \_\_\_\_?

2. Let h and g be functions that are differentiable everywhere. If g is the inverse function of h and if g(-3) = 5 and  $h'(5) = -\frac{3}{2}$ , then g'(-3) =\_\_\_?