Practice of Section 1.6

1. Given f(x) = 2x-1 and g(x) = x²+3

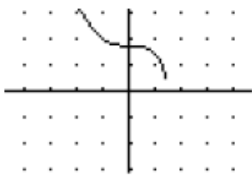   Find

(f+g)(x)	$(g \circ f)(x)$
$\dfrac{g}{f}(x)$	$(f \circ f)(-3)$
$(fg)(2)$	$(fg)(-1) - g(2)$

2. Sketch the inverse of this function

3. Determine the inverse of these functions:

   $f(x) = \dfrac{2x}{x-1}$ f(x) = 5x-2

4. Given f(x) = 2x-1 and g(x) = x² - 3 domain: (0,∞)

   Determine f⁻¹(3)   g⁻¹(-1)