6.1.1  
$$\frac{f(x+h) - f(x)}{h} = \frac{x^2 - (x+h)^2}{2h} = -x - \frac{1}{2}h,$$

which is close to 
$$-x$$
 if  $|h|$  is small. Hence  $f'(x) = -x$ .

$$y = 7 - 2x.$$