

(1) [3] Find the domain of  $h(x) = \frac{1}{\sqrt{x^2 - 7x}}$ .

(2) [6] A rectangle has perimeter 20 m. Express the area of the rectangle as a function of the length  $x$  of one of its sides.

(3) [6] Let  $f(x) = x^2 - 5x + 3$ . Find and simplify  $\frac{f(4+h) - f(4)}{h}$ .