(4) $\lim_{x \to 0} \frac{\sin 7x}{\sin 3x}$ $\lim_{x \to 0} \frac{\sin x}{x} = 1$

$$\frac{\frac{\sin 7x}{3x}}{\frac{\sin 3x}{3x}} \longrightarrow \frac{7}{3} \cdot \frac{\sin 7x}{3x} = \frac{7}{3} \frac{\sin(7x)}{(7x)}$$

$$= 7/3$$

(10) $h(x) = \begin{cases} x+1 = 3 & |x| < 2 \\ b - x^2 = b-4 & |x| \geq 2 \end{cases}$

$3 = b - 4$

$b = 7$

$h(-2) = 3$