a) =
$$e_{im} \frac{(x-6)(x \neq 6)}{(x-6)(x+5)} = e_{im} \frac{x+6}{x+5} = = = \frac{12}{11}$$

$$\delta) = \lim_{x \to 7} \frac{(x-7)(x+7)}{(x-7)(x-6)} = \lim_{x \to 7} \frac{x+7}{x-6} = 14$$

2) =
$$\lim_{x\to 0} \frac{3x \cdot 4x}{1-\cos 4x} \cdot \lim_{x\to 0} \frac{\log 4x}{4x} = \lim_{x\to 0} \frac{12}{16} \cdot \left(\frac{1}{1-\cos 4x}\right) = \frac{12}{16} \cdot 2 = \frac{3}{2}$$

$$g) = \lim_{x \to 0} \frac{\sqrt{2} \times^{2} \cdot 4x}{(1 - \cos 2x)^{3/2}} \cdot \lim_{x \to 0} \frac{\sin 4x}{4x} = \lim_{x \to 0} \frac{4\sqrt{2} \cdot x^{3/2} \cdot x^{3/2}}{(1 - \cos 2x)^{3/2}} = \lim_{x \to 0} \frac{2 \cdot x^{3/2}}{(1 - \cos 2x)^{3/2}} \cdot \lim_{x \to 0} \frac{2 \cdot x^{3/2}}{(1 - \cos 2x)^{3/2}} = \lim_{x \to 0} \frac{2 \cdot x$$

e) =
$$\lim_{x\to 8} e^{\left(\frac{1}{2}\right)^{\frac{1}{2}}} = \lim_{x\to 8} e^{\left(\frac{1}{2}\right)^{\frac{1}{2}}} = \lim_{x$$

$$m) = ens = \frac{x^{10} + x + L}{x^{2} - x + L} = e_{1}m \frac{(0 \times + L)}{2x - 1} = + \infty$$

$$3) = ens = \frac{x^{10} + x + L}{x^{2} - x + L} = e_{1}m \frac{(0 \times + L)}{2x - 1} = + \infty$$