Reposes TE2 MBT\_B 2012-2018

EX1 a) 
$$\lim_{x \to 0} \frac{1 - \cos(x)}{x^2} = \frac{1}{2}$$
b)  $\lim_{x \to \infty} \frac{3\sqrt{8} + x^2}{x} = 0$ 

$$= 0$$

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$$= 0$$

$$\lim_{x \to \infty} \frac{x - 1 - x \ln(x)}{x^2 \ln(x)} = 0$$

$$\lim_{x \to 1} \frac{x - 1 - x \ln(x)}{x^2 \ln(x)} = 0$$

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EXU a) M.M =  $(a^2 + 5^2 + c^2 + d^2)$  II b)  $det(m)^2 = (a^2 + 5^2 + c^2 + d^2)^4$   $det(m)^2 = (a^2 + 5^2 + c^2 + d^2)^4$   $\Leftrightarrow a \text{ on } b \text{ on } c \text{ on } d \neq 0$  $\Leftrightarrow (a, b, c, d) \neq (0, 0, 0, 0)$ 

si (a, h, c, d) \( (0,0,0,0)

donc 
$$M^{-1} = 1$$
  $M^{T}$   $a^{2}+b^{2}+c^{2}+d^{2}$