Torget live: 5= ax+b

a) 
$$\lim_{t\to\infty} m(t) = \lim_{t\to\infty} 10 + \frac{100}{e^{\infty}} = 10$$

$$\frac{d}{dt} m(t) = \frac{1}{2} = \frac{(T_t)^2 \cdot e^t - T_t \cdot (e^t)^2}{(e^t)^2}$$

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$$N = \frac{1}{\sqrt{12}} \cdot \frac{1}{\sqrt{12}$$

MALIANIAN

$$S(X) = \frac{1}{2\pi} \cdot \left(-\frac{2x}{2} + 2x - 2\right)$$

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$$S(X) = \frac{$$

$$\frac{1}{\sqrt{2\pi}} e^{-\frac{x^2}{2}} + 2x - 2 \left[ \left( -\frac{2x}{2} + 2 \right)^2 - 1 \right] = 0$$

$$\left( -\frac{2x}{2} + 2 \right)^2 - 1 = 0$$

$$\left( 2 - x \right)^2 - 1 = 0$$

$$2^2 - 2 \cdot 2x + x^2 - 1 = 0$$

$$x = 3$$

$$x^2 - 4x + 3 = 0$$

$$x = 4$$

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