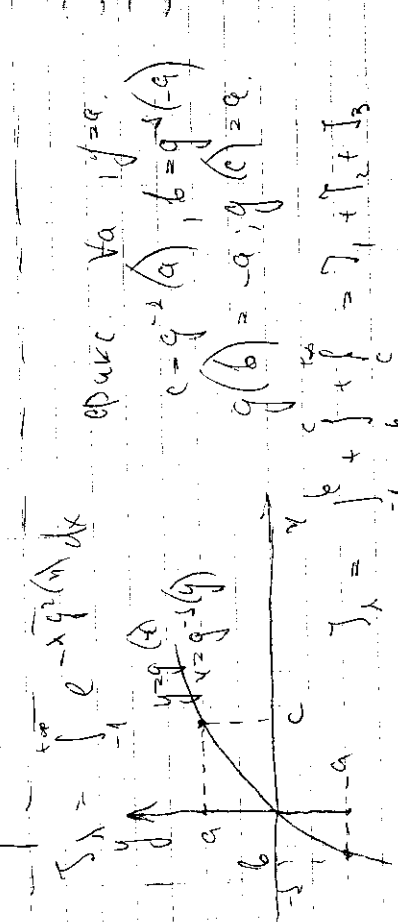


$\Rightarrow h(x) = c^\infty (-1, 1)$ (no ob. beam, convex, pass)

$h(c) = \frac{1}{2}, h(x) > 0, x > 4$
 $q^2(x) > 0, x > 0$
 $g(x) = x \sqrt{h(x)} \rightarrow g(x) \in C^\infty$



$\int_1^c \dots \rightarrow q^2(x) dx$
 $\int_1^c \dots = \dots$
 $\int_1^c \dots = \dots$
 $\int_1^c \dots = \dots$

$\int_1^c \dots = \dots$
 $\int_1^c \dots = \dots$
 $\int_1^c \dots = \dots$

$e^{-x} q^2(x) = \dots$
 $e^{-x} q^2(x) = \dots$

$\int_0^1 e^{-x} q^2(x) dx = \dots$
 $\int_0^1 e^{-x} q^2(x) dx = \dots$

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