$$\frac{1}{8} \frac{\sqrt{4} - 2}{\sqrt{4} - 4} = \lim_{x \to 4} \frac{(\sqrt{x} - 2)(\sqrt{x} + 2)}{(x - 4)(\sqrt{x} + 2)} = \lim_{x \to 4} \frac{x + 4}{(x + 4)(\sqrt{x} + 2)}$$

$$= \lim_{x \to 4} \frac{\sqrt{4}}{(x - 4)(\sqrt{x} + 2)} = \lim_{x \to 4} \frac{x + 4}{(x + 4)(\sqrt{x} + 2)}$$

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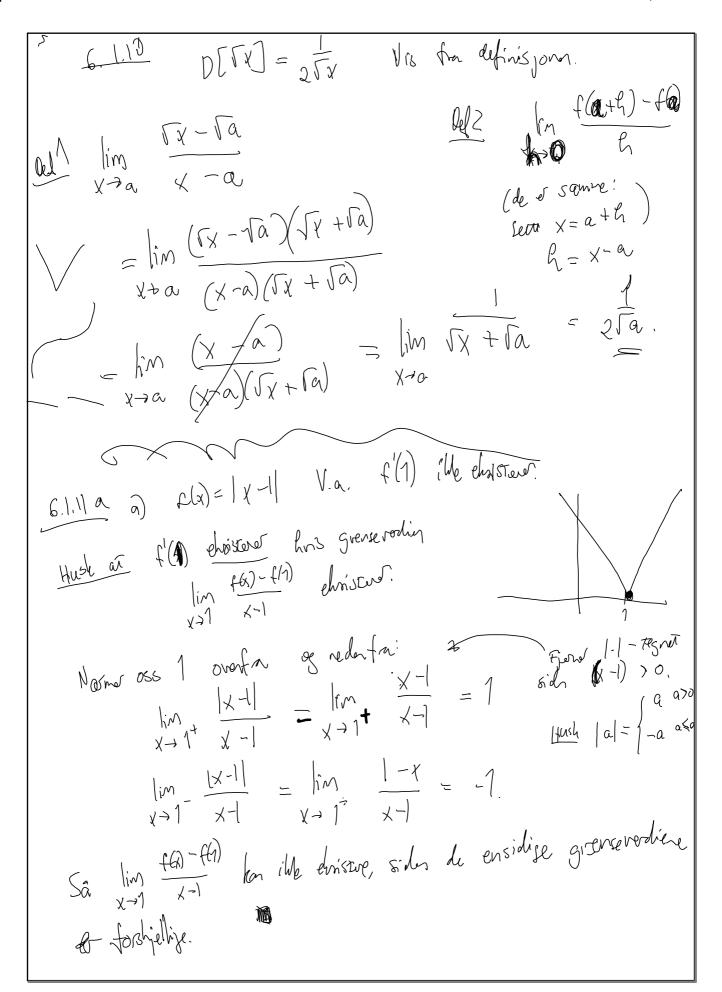
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$$= \lim_{x$$



Generalize of like Sanda derivator, may like to).

$$f(x) = \begin{cases} x^2 & x < 0 \\ x^3 & x > 0 \end{cases}$$

Regard we generated in the sanda $\begin{cases} x > 0 \\ x > 0 \end{cases}$

Regard we generated in the sanda $\begin{cases} x > 0 \\ x > 0 \end{cases}$

$$\begin{cases} x > 0 \\ x > 0 \end{cases}$$

Regard we generated in the sanda derivate of relative $\begin{cases} x > 0 \\ x > 0 \end{cases}$

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6.2.2 a Vis at funksjoren har nogahing ett nuklputh i intervaller.

(a) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (b) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (b) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (b) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (c) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (c) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (c) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (c) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (c) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (c) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (c) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (c) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (c) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (c) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (c) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (c) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (d) $f(x) = \cos x - x$! intervalso $[0, \frac{\pi}{4}]$ (e) $f(x) = \cos x - x$ intervalso $[0, \frac{\pi}{4}]$ (e) $f(x) = \cos x - x$ intervalso $[0, \frac{\pi}{4}]$ (e) $f(x) = \cos x - x$ intervalso $[0, \frac{\pi}{4}]$ (e) $f(x) = \cos x - x$ intervalso $[0, \frac{\pi}{4}]$ (e) $f(x) = \cos x - x$ intervalso $[0, \frac{\pi}{4}]$ (e) $f(x) = \cos x - x$ intervalso $[0, \frac{\pi}{4}]$ (f(x) = -\sin x - 1 \left(x) \intervalso \text{ intervalso} \text{ intervalso}

