1. $\displaystyle\lim_{x \to 0} \frac{x}{(x-2)^2 - 4} =$

2. $\displaystyle\lim_{x \to 4^+} \frac{|x-4|}{8-2x} =$

3. $\displaystyle\lim_{x \to \frac{1}{2}} \frac{\dfrac{1}{x} - 2}{x - \dfrac{1}{2}} =$

4. $\displaystyle\lim_{x \to 2\pi} \cos(x) =$

1. $\displaystyle\lim_{h \to 0} \frac{(h-1)^2 - 1}{h} \;=\;$

2. $\displaystyle\lim_{x \to 2} \frac{\sqrt{2x} - 2}{x - 2} \;=\;$

3. $\displaystyle\lim_{x \to 4^-} \frac{|x - 4|}{8 - 2x} \;=\;$

4. $\displaystyle\lim_{x \to \pi} \cos(x) \;=\;$