NAME: --------------------------------------

Quiz 1

Clear your desk of everything except pens, pencils and erasers. **Show all your work.**
If you have a question raise your hand and I will come to you.

1. [2 points] Find the vertical asymptotes for the function:

$$f(x) = \frac{2x - 2}{x^2 - 6x + 5}$$

2. [2 points] Find the limits:

a). $\displaystyle \lim_{x \to 5^-} \frac{8x}{x - 5}$

b). $\displaystyle \lim_{x \to 5^+} \frac{8x}{x - 5}$

3. [6 points] Find the limits:

a). $\displaystyle \lim_{x \to 4} \frac{x^2 - 16}{x - 4}$

b). $\displaystyle \lim_{h \to 0} \frac{4(1 + h)^2 - 4}{h}$