

Student ID		

Last Name: _____

First Name: _____

Show all your work.
If necessary, use extra sheets.

When appropriate,
BOX your final answer.

MA1
Homework

3

$$1. \lim_{x \rightarrow 5^+} \frac{6}{x-5} =$$

$$2. \lim_{x \rightarrow 5^-} \frac{6}{x-5} =$$

$$3. \lim_{x \rightarrow 5} \frac{6}{x-5} =$$

$$4. \lim_{t \rightarrow 2} \frac{t^2 - 4}{t + 2} =$$

$$5. \lim_{x \rightarrow 3} \frac{x+2}{x-3} =$$

$$6. \lim_{x \rightarrow 2^+} \frac{1}{x+2} =$$

$$7. \lim_{x \rightarrow 0} \frac{x-1}{x^2(x+2)} =$$

$$8. \lim_{x \rightarrow -2^+} \frac{x-1}{x^2(x+2)} =$$

$$9. \lim_{x \rightarrow 0} \frac{\frac{1}{x+2} - \frac{1}{x}}{x} =$$

$$10. \lim_{x \rightarrow 0^+} \frac{1 + \frac{1}{x}}{x^2 - 1} =$$