Quiz 2 — MA161 — August 31, 2018

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1. (8 points) Solve the equation $e^{5x} = 4e^{2x}$ for x. Show all steps leading to your answer.

2. (12 points) For the function graphed below, tell whether each of the following statements is true or false.

   (a) $f(2)$ is defined.

   (b) $\lim_{x \to 2} f(x) = 3$

   (c) $\lim_{x \to 2^+} f(x) = f(2)$

   (d) $\lim_{x \to 4} f(x)$ exists