## Quiz 2

Name: 66-

1. [6 pts] Evaluate each of the following limits. Simplify your answer.

(a) 
$$\lim_{x \to 4} \log_4(x)$$

(c) 
$$\lim_{s \to -2} \sqrt{7 - 2s}$$

(b) 
$$\lim_{t \to -2} \frac{t^2 - 4}{t + 2}$$

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$$\lim_{t \to -2} \frac{t^2 - 4}{t + 2}$$
  $\frac{4 - 4}{t + 2} = \frac{9}{9}$  (d)  $\lim_{t \to -2} \frac{t^2 - 4}{t - 2}$ 

$$= \frac{(4) - 4}{-2 - 2} = \frac{6}{-4} = 0$$

## 2. [4 pts] Compute

$$\lim_{h \to 0} \frac{(12+h)^2 - 144}{h}.$$