Name: _____

Give an answer. Show all work. No calculators are allowed.

1. Find the limit
$$\lim_{x \to -\infty} \frac{x^3 + 2x - 1}{5 - x^2}$$

2. Find the limit

$$\lim_{x \to 5} \frac{x^3 - 3x^2 - 5x - 25}{x - 5}$$