

Math 430 HW #1

Prove that

$$\lim_{x \rightarrow 3} (x^3 + 7x + 1) = 49$$

and

$$\lim_{x \rightarrow 1} \frac{3x + 1}{2x - 3} = -4$$

from the definition of limit.

Turn in starred problems:

Sec. 18 # 15*

Sec. 21 # 3,6c*,10*,12*,13