

Math 1121

HW #3

51, 89

51

$$\lim_{x \rightarrow \infty} \frac{2x^2 - 7x^4}{9x^2 - 5x - 6} \quad \text{DNE}$$

degree on top is bigger (4),
so the limit does not exist.

89

$$\lim_{s \rightarrow \infty} \frac{68s}{s+8} = \frac{68}{1} = \textcircled{68}$$

As we do many many days of
training, the productivity approaches
68 items per day.