CP 1 Find  $H(s) = \frac{V(s)}{I(s)}$  of the circuit below. Write it as a ratio of polynomials in standard form. That means, in the denominator, the coefficient of s of the highest power is 1.

s I(s) (1) s 4 23} \( \frac{7}{3}\) \( \frac{1}{3}\) \( \frac{1}\) \( \frac{1}{3}\) \( \frac{1}{3}\) \( \frac{1}{3}\) \( \fra

 $\frac{V(s)}{T(s)} = \frac{2s^2}{3s+4} = \sqrt{\frac{z}{3}s^2}$ 

CP 2 Find the impulse response of the above circuit

Improper fraction: S+ 4 3 2 5 2 4 9 S + 4 S + 1 b 27 S+ 4 S - 4 9 S -

h(t)= s'(t)+ 4/8(t) + 16/2 = 16/2 = 16/27