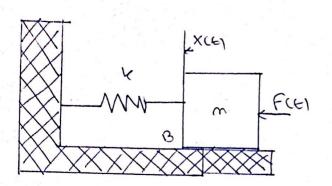
(2) 5 tr. 8



$$-mx''-8x'-kx=-f(e)$$

$$X'' + \frac{13}{m}x' + \frac{k}{m}x = \frac{f(c)}{m}$$

$$X(5) = \frac{5+2}{5^2+25+3}$$

$$\frac{5+2}{5^{2}+25+3} = \frac{5+2}{(5+1)^{2}+2} = \frac{(5+1)^{2}+2}{(5+1)^{2}+2} = \frac{1}{(5+1)^{2}+2}$$

b)
$$x^{2} + \frac{15}{m}x^{2} + \frac{1}{m}x = \frac{f(6)}{m}$$
 $x^{2} + hx^{2} + hx = 0$ $\Rightarrow x^{2} = -4x^{2} - 4x$
 $\Rightarrow x(6) - 5x(6) - x^{2}(6) + hx(6) = 0$
 $\Rightarrow x(6) - 5 + hx(6) = 0$
 $\Rightarrow x(6) = 0$
 $\Rightarrow x(6) + hx(6) = 0$
 $\Rightarrow x(6) = 0$
 $\Rightarrow x(6$