a.) Given the softmax function in (10.13) and (413);

(a.) If in (10.13):
$$f_m(x) = Pr(y=m|X) = \frac{2m}{2} / \frac{3}{2} = \frac{2}{2} = \frac{2}{2}$$

And we add a constant c to each Ze , we get:

$$f_m(x) = \frac{e}{2} = \frac$$