

1) The equation $(x+2) - 3\sqrt{(x+2)} - 4 = 0$
has only one real solution

Find the value of x

(Hint: Let $a = \sqrt{(x+2)}$)

2) Find expressions in terms of m and n , for
the roots of the equation

$$\frac{x-m}{x-n} = \frac{2(x+m)}{x+n}$$

Hint: form a quadratic
in terms of x and
express using the quadratic
formula.