

**Quadratic functions – 2022 O Level Additional Math**

1. June/2022/Paper\_11/No.4(ii)

(ii) Find the exact solutions of the equation  $|2x + 1| = |4(x - 1)|$ .

[4]

2. June/2022/Paper\_12/No.7(a)

(a) Show that  $\frac{2}{2x+3} - \frac{1}{x-1} + \frac{1}{(x-1)^2}$  can be written as  $\frac{8-3x}{(x-1)^2(2x+3)}$ . [2]

**3. June/2022/Paper\_22/No.3**

Find the possible values of  $k$  for which the equation  $kx^2 + (k+5)x - 4 = 0$  has real roots. [5]