

Mathematics Test 17/9/2018
Task A

Surname and name _____

Country _____

Your last school _____

1) From $\frac{x-1}{x+1} - \frac{x-2}{x+2}$ get a unique fraction.

2) Find the equation of the straight line parallel to the line having equation $y = 2x - 1$ and passing through the point $P : (1, -1)$.

3) Solve the polynomial equation $x^2 - 5x + 4 = 0$.

4) Solve the inequality $2^{x-1} > 8$.

5) Given $a > 0$ and $b > 0$, write the expression $\log_a b^2 + \log_a b^3$ as a single logarithm.