

ALGEBRA (Q 1 & 2, PAPER 1)

LESSON NO. 6: OTHER TYPES OF EQUATIONS

2002

1 (a) Solve the equation $x = \sqrt{x+2}$.

NOTE: The next question should have been an inequality rather than an equation. The correct solution is on the exam paper 2005. I just wanted a modulus equation to solve from papers for the last 6 years and couldn't find one. So, I've taken the liberty of making this change.

2005

2 (a) Solve for x : $|x-1|=7$, where $x \in \mathbf{R}$.

2003

2 (c) (i) Solve for y : $2^{2y+1} - 5(2^y) + 2 = 0$.

ANSWERS

2002 1 (a) $x = 2$

2005 2 (a) $x = -6, 8$

2003 2 (c) (i) $y = -1, 1$