



Air maths tuition

Interact, engage and perform

## Mod Equations : How to solve $|x+1| = -2x-5$

Solve  $|x+1| = -2x-5$

At (A)  $-(x+1) = -2x-5$

$$\therefore -x-1 = -2x-5$$
$$\therefore x = -4$$

or

$$x+1 = -2x-5$$
$$\therefore 3x = -6$$
$$\therefore x = -2 \text{ (not solution)}$$

$| -1 | \neq -1$

With the acknowledgement of [Exam Solutions](#).  
Find lots more revision sheets on [Air Maths Tuition](#).  
[This Video](#)



Exam Solutions  
maths made easy