# 3.1b Notes – Is this the right solution?

(Get into groups of 4 and look at the following problem.)

Nate solved the following equation:

$$3\left(2x+8\right)=-5\left(1-x\right)+23$$

And he got -6 for a solution. But his friend Spencer solved the equation and got 6 for an answer. Who’s right? Could you prove it?

Look at two more equations with their solutions and tell me if they’re correct:

|  |  |
| --- | --- |
|  b = 2 |  r = -8 |

**YOU NEED TO REMEMBER\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!!!**

**Show your answer for the following question to your teacher to get the homework.**

Is $3$ or $-3$ the solution to the equation $2\left(x+3\right)+10=-2\left(-5-2x\right)$ ? (SHOW YOUR WORK.)