SYMMETRICALITY

Add up these 3 equations. What do you notice?

$y + z = 2$

$x + z = 1$

$x + y = 9$

Can you find x, y and z?

Add up all 5 equations given below. What do you notice?

$b + c + d + e = 4$

$a + c + d + e = 5$

$a + b + d + e = 1$

$a + b + c + e = 2$

$a + b + c + d = 0$

Find the values of a, b, c, d and e.

HELP

If you know the values of $x + y$ and of $x + y + z$ can you find the value of z?

NEXT

Use a similar (but importantly different) method to solve the following:

$xy = 1$

$yz = 4$

$zx = 9$.