Multiply the second equation by -1, then add to the first: $y - z = 1$

Add this to the third equation to get: $2y = 6$, so $y = 3$

Substitute into the third equation: $3 + z = 5$, so $z = 2$

Substitute $z = 2$ into the second equation: $-3x + 6 = 3$, so $x = 1$

Check your solution in all three equations.