Multiply the second equation by -1, then add to the first: $2y - 3z = -9$

Multiply the third equation by -1 to get: $-2y + 2z = 4$

Add these: $-z = -5$, so $z = 5$

Substitute into the third equation: $2y - 10 = -4$, so $y = 3$

Substitute $z = 5$ into the second equation: $2x + 10 = 12$, so $x = 1$

Check your solution in all three equations.