# Unit IV - First Degree Relations with Three or More Placeholders Part A - Solution Sets Lesson 2-Two Open Sentences 

Solve each of the following systems expressing the solution set as indicated.
$12 x-3 y+z=19$. Express the solution as an ordered triple in terms of $z$.
$x+4 y-5 z={ }^{-} 18$
2. $3 x+2 y-5 z=0$

Express the solution as an ordered triple in terms of $y$.
$x+y-2 z={ }^{-} 1$
3. $2 x-y+4 z=7$

Express the solution as an ordered triple in terms of $x$.
$x-3 y+z=-2$
4. $2 x-y+z=5$
$x+3 y-2 z=3$
Express the solution as an ordered triple in terms of $z$.

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Solve each of the following systems expressing the solution set as indicated.
$1 . \mathrm{S}=\{(z+2, z-5, z)\}$
2. $\mathrm{S}=\{(y+5, y, y+3)\}$
3. $\mathrm{S}=\left\{\left(x, \frac{15+2 x}{11}, \frac{235 x}{11}\right)\right\}$
4. $\mathrm{S}=\left\{\left(\frac{18 z}{7}, \frac{5 z+1}{7}, z\right)\right\}$

