Math worksheet on *'Linear Equation Systems - Simple Number Substitution To Equation (Level 1)'*. Part of a broader unit on *'Algebra Systems of Equations - Intro'*

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1 Substitute the given number for the variable to form a single solvable equation

$$3n + r = 32$$
$$r = 8$$
$$n = ?$$

a $3n + 8 = 32$ **b** $8n + 8 = n$
c $3n - 8 = 32$ **d** $3n - 9 = 32$
e $3n + 10 = 32$

2 Substitute the given number for the variable to form a single solvable equation

$$2r + z = 12$$
$$z = 2$$
$$r = ?$$

a $2r - 2 = 12$ **b** $2r - 6 = 12$
c $2r + 7 = 12$ **d** $2r + 2 = 12$
e $5r + 2 = r$

3 Substitute the given number for the variable to form a single solvable equation

$$11y + m = 74$$
$$m = 8$$
$$y = ?$$

a $11y - 8 = 74$ **b** $6y + 8 = y$
c $11y - 7 = 74$ **d** $11y + 8 = 74$

4 Substitute the given number for the variable to form a single solvable equation

$$11m + c = 81$$
$$c = 4$$
$$m = ?$$

a $7m + 4 = m$ **b** $11m + 9 = 81$
c $11m - 8 = 81$ **d** $11m + 4 = 81$
e $11m - 4 = 81$

5 Substitute the given number for the variable to form a single solvable equation

$$2y + z = 22$$
$$z = 12$$
$$y = ?$$

a $2y - 12 = 22$ **b** $2y - 6 = 22$
c $2y + 12 = 22$ **d** $2y + 7 = 22$
e $5y + 12 = y$

6 Substitute the given number for the variable to form a single solvable equation

$$4r + x = 11$$
$$x = 3$$
$$r = ?$$

a $4r - 3 = 11$ **b** $4r + 3 = 11$
c $4r + 4 = 11$ **d** $4r - 3 = 11$
e $2r + 3 = r$

7 Substitute the given number for the variable to form a single solvable equation

$$12y - x = 37$$
$$x = 11$$
$$y = ?$$

a $7y + 11 = y$ **b** $12y + 6 = 37$
c $12y + 11 = 37$ **d** $12y - 5 = 37$
e $12y - 11 = 37$ **f** $4y + 11 = y$