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

$$4z + d = 19$$
$$d = 7$$
$$z = ?$$

a $4z + 5 = 19$

b $3z + 7 = z$

c $4z + 7 = 19$

d $4z - 7 = 19$

e $4z - 4 = 19$

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

$$10p - x = 53$$
$$x = 7$$
$$p = ?$$

a $10p + 7 = 53$

b $10p + 8 = 53$

c $10p - 7 = 53$

d $6p + 7 = p$

e $9p + 7 = p$

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

$$4y - m = 8$$
$$m = 4$$
$$y = ?$$

a $4y + 5 = 8$

b $3y + 4 = y$

c $6y + 4 = y$

d $4y - 4 = 8$

e $4y + 4 = 8$

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

$$5c + r = 42$$
$$r = 2$$
$$c = ?$$

a $8c + 2 = c$

b $5c + 2 = 42$

c $5c - 9 = 42$

d $5c - 2 = 42$

e $5c + 10 = 42$

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

$$7y + z = 60$$
$$z = 4$$
$$y = ?$$

a $8y + 4 = y$

b $7y - 4 = 60$

c $7y - 9 = 60$

d $7y + 4 = 60$

e $7y + 10 = 60$

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

$$12p - x = 79$$
$$x = 5$$
$$p = ?$$

a $7p + 5 = p$

b $12p - 5 = 79$

c $10p + 5 = p$

d $12p - 8 = 79$

e $12p + 9 = 79$

f $12p + 5 = 79$

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

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

a $2y + 7 = 22$

b $5y + 12 = y$

c $2y - 12 = 22$

d $2y - 6 = 22$

e $2y + 12 = 22$