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

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1 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$10n + 4b = 78$$
$$2n - 4b = -18$$
$$n = ?$$

a $n = 4$ **b** $n = 60$ **c** $n = -18$ **d** $n = 5$ **e** $n = 12$ **f** $n = 8$

2 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$7c + 10m = 132$$
$$-7c + 4m = -6$$
$$m = ?$$

a $m = 8$ **b** $m = -6$ **c** $m = 12$ **d** $m = 9$ **e** $m = 126$ **f** $m = 14$

3 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$2x + 9z = 68$$
$$7x - 9z = -5$$
$$x = ?$$

a $x = 10$ **b** $x = 9$ **c** $x = 63$ **d** $x = 7$ **e** $x = 6$ **f** $x = -5$

4 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$11x + 2p = 54$$
$$-11x + 8p = -4$$
$$p = ?$$

a $p = 50$ **b** $p = 10$ **c** $p = 8$ **d** $p = 5$ **e** $p = 4$ **f** $p = -4$

5 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$10r + 4b = 94$$
$$4r - 4b = 4$$
$$r = ?$$

a $r = 98$ **b** $r = 7$ **c** $r = 10$ **d** $r = 4$ **e** $r = 6$ **f** $r = 14$

6 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$9c + 3y = 102$$
$$-9c + 8y = -25$$
$$y = ?$$

a $y = 77$ **b** $y = 11$ **c** $y = 10$ **d** $y = 6$ **e** $y = 7$ **f** $y = -25$

7 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$11b + 5d = 42$$
$$-11b + 4d = -6$$
$$d = ?$$

a $d = 4$ **b** $d = 9$ **c** $d = -6$ **d** $d = 7$ **e** $d = 36$ **f** $d = 3$

