



## Linear Equation Systems - Simple Addition

<b>1</b> Solve for the variable by adding or subtracting multiples of the second equation to the first  $8d + 12r = 168$ $3d + 2r = 43$ $d = ?$	<b>A</b> $d = 9$	<b>B</b> $d = -90$	<b>C</b> $d = 8$	<b>2</b> Solve for the variable by adding or subtracting multiples of the second equation to the first  $7x + 6b = 40$ $3x + 2b = 16$ $x = ?$	<b>A</b> $x = -2$	<b>B</b> $x = 7$	<b>C</b> $x = 3$
<b>3</b> Solve for the variable by adding or subtracting multiples of the second equation to the first  $2y + 12c = 90$ $6y + 6c = 60$ $y = ?$	<b>A</b> $y = -10$	<b>B</b> $y = 60$	<b>C</b> $y = 2$	<b>4</b> Solve for the variable by adding or subtracting multiples of the second equation to the first  $4x + 12d = 68$ $5x + 3d = 25$ $x = ?$	<b>A</b> $x = 2$	<b>B</b> $x = 5$	<b>C</b> $x = -16$
<b>5</b> Solve for the variable by adding or subtracting multiples of the second equation to the first  $3c + 4b = 44$ $8c + 2b = 74$ $c = ?$	<b>A</b> $c = 11$	<b>B</b> $c = 8$	<b>C</b> $c = 7$	<b>6</b> Solve for the variable by adding or subtracting multiples of the second equation to the first  $7d + 10z = 85$ $3d + 5z = 40$ $d = ?$	<b>A</b> $d = 8$	<b>B</b> $d = 4$	<b>C</b> $d = 5$
<b>7</b> Solve for the variable by adding or subtracting multiples of the second equation to the first  $10x + 9p = 85$ $6x + 3p = 39$ $x = ?$	<b>A</b> $x = 4$	<b>B</b> $x = 39$	<b>C</b> $x = 7$	<b>8</b> Solve for the variable by adding or subtracting multiples of the second equation to the first  $9n + 6c = 66$ $7n + 2c = 46$ $n = ?$	<b>A</b> $n = 6$	<b>B</b> $n = -72$	<b>C</b> $n = 9$
<b>E</b> $x = 3$	<b>F</b> $x = -32$	<b>D</b> $x = -8$	<b>E</b> $x = 40$	<b>D</b> $x = 25$	<b>E</b> $x = 1$	<b>F</b> $x = -32$	<b>F</b> $x = -12$