Elimination Worksheet

We Are Very Able to Get Rid of Variables

Solve the following systems of equations by using elimination.

1. $x + 2y = 4$, $2x + 2y = 6$

2. $3y + 4z = 12$, $9y + 5z = 15$

3. $4x + 4y = 8$, $2x + y = 16$

4. $x + y = 12$, $x - y = 16$

5. $y + 4z = 20$, $y - 4z = 10$

6. $3x + 8y = 24$, $6x + 8y = 12$

7. $y = -10x + 1$, $-30x + 3 = 3y$

8. $4x + 4y = 4$, $x + y = 2$

9. $2x + 2y = 8$, $4x + 4y = 16$

10. $6x + 12y = 15$, $3x + 4y = 6$