

Section 7-1 : Linear Systems with Two Variables

For problems 1 – 3 use the Method of Substitution to find the solution to the given system or to determine if the system is inconsistent or dependent.

1. $x - 7y = -11$
 $5x + 2y = -18$

2. $7x - 8y = -12$
 $-4x + 2y = 3$

3. $3x + 9y = -6$
 $-4x - 12y = 8$

For problems 4 – 6 use the Method of Elimination to find the solution to the given system or to determine if the system is inconsistent or dependent.

4. $6x - 5y = 8$
 $-12x + 2y = 0$

5. $-2x + 10y = 2$
 $5x - 25y = 3$

6. $2x + 3y = 20$
 $7x + 2y = 53$

