System of Equations

Basic

Linear - Elimination

1. $elimination \ x + y = 3, \ x - y = 1$

2. $elimination \ x + y = 7, \ x - y = 5$

3. $elimination \ y = -2, \ -3y + 4x = 18$

4. $elimination \ x + y = 150, \ x = y + 260$

5. $elimination \ x - y = 3, \ x + y = 21$

6. $elimination \ 12x + 2y = 7, \ y = x + 5$

7. $elimination \ x + y = 8, \ x - y = -4$

8. $elimination \ 8x - 2y = 12, \ 7x + 3y = 15$

9. $elimination \ 60x - 40y = 30, \ -40x + 90y = -10$

10. $elimination \ 12x + 13y = 9, \ 15x - 23y = 6$

Answers

System of Equations

Basic

Linear - Elimination

1. $x = 2, y = 1$

2. $x = 6, y = 1$

3. $y = -2, x = 3$

4. $x = 205, y = -55$

5. $x = 12, y = 9$

6. $x = -\dfrac{3}{14}, y = \dfrac{67}{14}$

7. $x = 2, y = 6$

8. $x = \dfrac{33}{19}, y = \dfrac{18}{19}$

9. $x = \dfrac{23}{38}, y = \dfrac{3}{19}$

10. $x = \dfrac{95}{157}, y = \dfrac{21}{157}$