

Practice 1
Solving Equations

Level: 2

1. Solve $2x + 3y = 12$
 $4x - y = 1$

- A (15/14, 23/7) C (13/17, 2/9)
B (5/4, 2/5) D (13/17, -2/9)

2. Solve $x + y = 10$
 $2x + y = 16$

- A (6, -4) C (-6, -4)
B (6, 4) D (3, -4)

3. Solve.

$3x + 4y = 10$
 $6x + 8y = 20$

- A (0, 0) C Infinite Sol.
B (1, 1) D No solution

4. Solve.

$2x - 3y = 6$
 $4x - 6y = 12$

- A (0, 0) C (1, 1)
B No solution D Infinite Sol.

5. Find the solution of the following system of equations.

$2x + 3y = 6$
 $4x + 6y = 10$

- A (0, 0) C Infinite Sol.
B (1, 1) D No solution

6. Solve.

$3^{2x+1} = 9^{x+2}$

- A 1 C No solution
B 0 D 2

7. Solve for x.

$5^{x+1} = 2 \cdot 25^{x-1}$

- A 3.89 C 2.21
B 2.57 D 3.67

8. Solve for x, where x is a real number.

$\sqrt{3x+5} = \sqrt{2x+11}$

- A 6 C 4
B 2 D 8