SIMULTANEOUS EQUATIONS

Solve the following pairs of simultaneous equations.

1. $3x + y = 2$
   $4x + 3y = 3$

2. $4x - 4y = 2$
   $7x + 2y = 17$

3. $3x - 4y = 32$
   $5x + 2y = 10$

4. $2x + 3y = 11$
   $4x + 2y = 10$

5. $3a - 2b = 12$
   $2a + b = 1$

6. $3x + 2y = 1$
   $4x - y = 16$

7. $3x + 2y = 8$
   $x - 3y = -23$

8. $2x + 3y = 18$
   $x + 5y = 23$

9. $3a - \frac{1}{2}b = 4$
   $9a + 2b = -2$

10. $8x + 3y = 35$
    $2x - 5y = 3$

11. $\frac{3x}{7} + 2y = 1$
    $x - 3y = 10$

12. $5x + 4y = 6$
    $3x - 4y = 10$

ANSWERS

1. $(0.6, 0.2)$
2. $(2, 1.5)$
3. $(4, -5)$
4. $(1, 3)$
5. $(2, -3)$
6. $(3, -4)$
7. $(-2, 7)$
8. $(3, 4)$
9. $\left(\frac{2}{3}, -4\right)$
10. $(4, 1)$
11. $(7, -1)$
12. $(2, -1)$