

## SIMULTANEOUS EQUATIONS

Solve the simultaneous equations

**1**  $x + 7y = 5$   
 $x - 7y = -9$

**2**  $x + 5y = 34$   
 $x - 5y = -6$

**3**  $4x - 5y = 30$   
 $4x - 2y = 24$

**4**  $3x - y = 5$   
 $5x + 3y = -8$

**5**  $2m + 3n = -4$   
 $3m + 2n = -6$

**6**  $-2x + 7y = 4$   
 $-3x + 5y = -5$

**7**  $x + 5y = -13$   
 $2x - y = 7$

**8**  $5x + 2y = 9$   
 $9x - 7y = -5$

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**19**  $3(x - y) - 8(x + y) = 7$   
 $2(x + y) + 5(x - y) = -65$

**20**  $2(3a - b) = 3(a + b)$   
 $3(a - 4b) + 46 = 5a$

**21**  $5(2x - y) = 7x + 1$   
 $3(3x + y) = 5(x - y + 12)$