

1. Solve the simultaneous equations

$$2x - 3y = 12$$

$$2x + 2y = 2$$

{FYI Avoid many negative number problems, by 1st equation $\times -1$ (changes all signs)}

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2. Solve the simultaneous equations

$$4x + 3y = 16$$

$$4x - 2y = 6$$

{FYI Avoid many negative number problems, by 2nd equation $\times -1$ (changes all signs)}

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3. Solve the simultaneous equations

$$2x - 3y = 17$$

$$2x - 4y = 20$$

{FYI Avoid many negative number problems, by 2nd equation $\times -1$ (changes all signs)}

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Turnover for more questions and answers

4. Solve the simultaneous equations

$$2x + 2y = -1$$

$$2y - 3x = 14$$

{FYI Avoid many negative number problems, by 2nd equation $\times -1$ (changes all signs)}

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5. Solve the simultaneous equations

$$2x + 5y = 11$$

$$2x - 3y = -13$$

{FYI Avoid many negative number problems, by 2nd equation $\times -1$ (changes all signs)}

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6. Solve the simultaneous equations

$$2x - 5y = 10$$

$$2x + 2y = 3$$

{FYI Avoid many negative number problems, by 1st equation $\times -1$ (changes all signs)}

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Answers

Q1: $x = 3$ and $y = -2$ Q2: $x = 2.5$ and $y = 2$ Q3: $x = 4$ and $y = -3$

Q4: $x = -3$ and $y = 2.5$ Q5: $x = -2$ and $y = 3$ Q6: $x = 2.5$ and $y = -1$