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Year 10 Maths B Homework Sheet No.17

To be completed on loose-leaf paper.

Aims:

- To provide ongoing revision of skills and concepts
- To develop procedural knowledge and fluency.



Need help? →

Solve the Linear Equations Using the Substitution Method

1.) $y = -3x$ $y = x - 8$	7.) $y = 6x + 22$ $y = -8$
2.) $y = 3x$ $y = -8x$	8.) $y = 2x - 5$ $y = x$
3.) $y = -2x$ $y = -4x + 10$	9.) $y = 4x + 10$ $y = -6$
4.) $y = -7x$ $y = -4x - 12$	10.) $y = 8$ $y = -2x + 22$
5.) $y = 3x$ $y = 2x - 7$	11.) $y = 4$ $y = 4x - 24$
6.) $y = 2x + 3$ $y = 3$	12.) $y = -6x$ $y = -3x$

Answers:

1. $x = 2, y = -6$, 2. $x = 0, y = 0$, 3. $x = 5, y = -10$, 4. $x = 10, y = -28$, 5. $x = -7, y = -21$, 6. $x = 0, y = 3$, 7. $x = -5, y = -8$, 8. $x = 5, y = 5$, 9. $x = -4, y = -6$, 10. $x = 7, y = 8$, 11. $x = 7, y = 4$, 12. $x = 0, y = 0$,