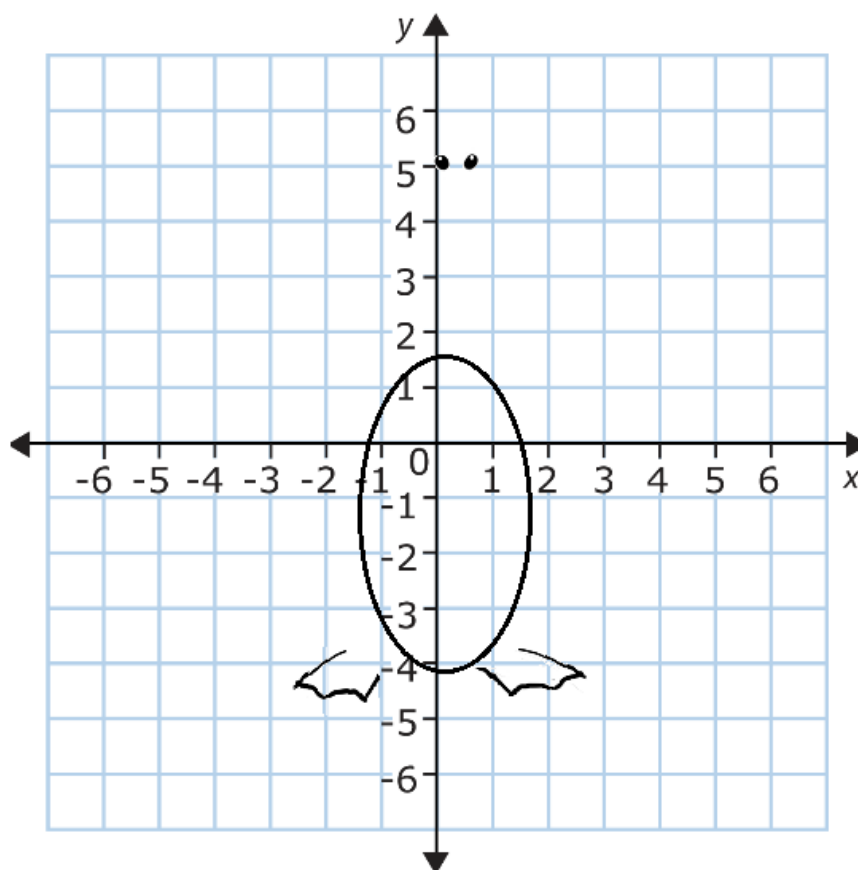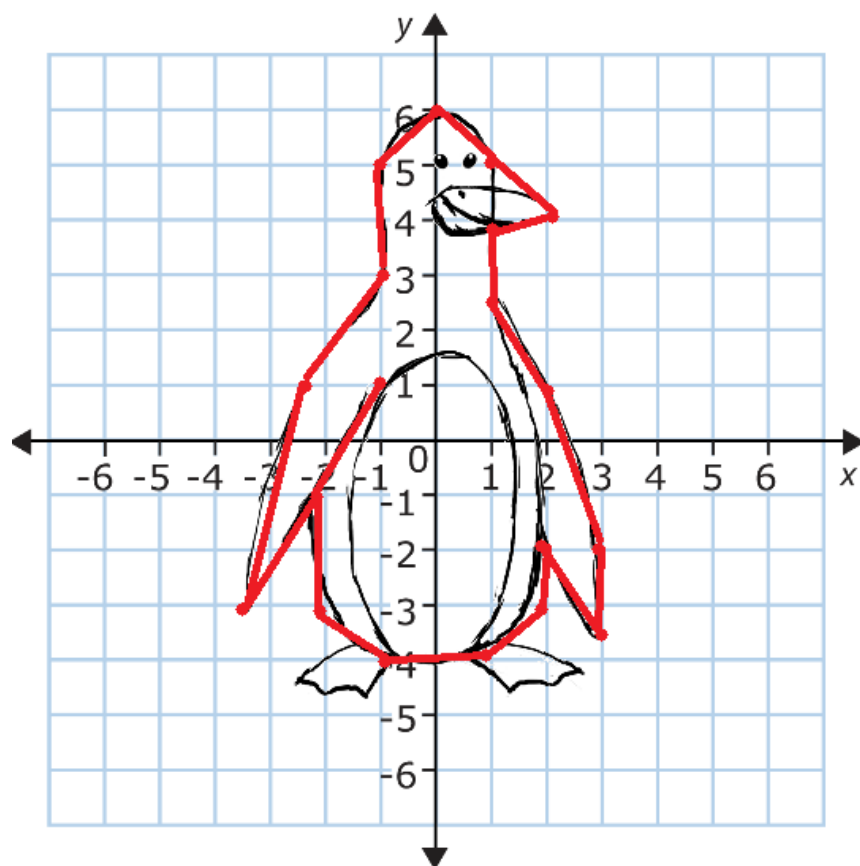# Simultaneous Equations Dot-to-Dot

- Solve each pair of simultaneous equations and plot the answers (x, y) on the grid.
- Then join them up in question order, to make a picture.

1. $4x + 3y = -1$ $2x + 3y = 1$	Answer (,)		10. $4x + 3y = 11$ $2x + 3y = 7$	Answer (,)
2. $5x - y = -14.5$ $8x + y = -31$	Answer (,)		11. $5x - y = 17$ $8x + y = 22$	Answer (,)
3. $2x + y = -4$ $3x + 2y = -5.5$	Answer (,)		12. $2x + y = 2.5$ $3x + 2y = 2$	Answer (,)
4. $3x - y = -6$ $4x - 2y = -10$	Answer (,)		13. $3x - y = 8$ $4x - 2y = 12$	Answer (,)
5. $4x + 3y = 11$ $8x - 5y = -33$	Answer (,)		14. $4x + 3y = -1$ $8x - 5y = 31$	Answer (,)
6. $7x - 2y = -12$ $3x + 8y = 48$	Answer (,)		15. $7x - 2y = 15$ $3x + 8y = -29$	Answer (,)
7. $2x + 3y = 16$ $3x + 4y = 22$	Answer (,)		16. $2x + 3y = -14$ $3x + 4y = -19$	Answer (,)
8. $2x + 5y = 22$ $5x - 3y = -7$	Answer (,)		17. $2x + 5y = -19$ $5x - 3y = -1$	Answer (,)
9. $7x - 3y = -0.5$ $2x + 5y = 14.5$	Answer (,)		18. $7x - 3y = -11$ $2x + 5y = -9$	Answer (,)

Solution

1. $(-1, 1)$
2. $(-3.5, -3)$
3. $(-2.5, 1)$
4. $(-1, 3)$
5. $(-1, 5)$
6. $(0, 6)$
7. $(2, 4)$
8. $(1, 4)$
9. $(1, 2.5)$
10. $(2, 1)$
11. $(3, -2)$
12. $(3, -3.5)$
13. $(2, -2)$
14. $(2, -3)$
15. $(1, -4)$
16. $(-1, -4)$
17. $(-2, -3)$
18. $(-2, -1)$