

Who's Hiding In the Mike's Math Club Picture?

For Groups 1 - 6: Graph one coordinate point at a time in the order that they are written. Connect each point you graph to the previous point in that group.

For Group 7: Connect each pair of points, but do not connect them all to each other. When you have finished, you will see a hidden surprise! (If you need help graphing the points, see Eloise's sign.)

Group 1: (-11, 1), (-12, -2), (-11, -1), (-12, -6), (-11, -5), (-10, -8), (-9, -7), (-8, -10), (-8, -8), (-6, -14), (-8, -19), (-3, -21), (0, -20), (4, -13), (6, -18), (9, -20), (8, -21), (11, -20), (10, -21), (14, -20), (13, -21), (15, -20), (14, -21), (16, -20), (17, -17), (20, -16), (21, -13), (24, -5), (25, -6), (26, -2), (24, 3)

Group 2: (0, 0), (0, -2), (2, -7), (5, -11), (10, -14), (17, -15), (21, -13), (22, -10), (18, -11), (11, -10), (5, -7), (0, -2), (0, 0), (5, -5), (11, -7), (20, -4), (24, -5)

Group 3: (-4, 12), (-2, 12), (0, 13), (2, 13), (4, 12), (7, 12), (10, 13), (12, 12), (13, 8), (16, 11), (17, 15), (17, 17)

Group 4: (2, 4), (3, 5), (4, 7), (4, 9), (2, 11), (0, 11), (-2, 8), (-2, 6), (-1, 5)

Group 5: (8, 5), (8, 9), (9, 10), (10, 10), (11, 9), (12, 7), (11, 5)

Group 6: (-16, 12), (-19, 12), (-22, 13), (-27, 18), (-24, 17), (-21, 17), (-18, 18), (-14, 15), (-12, 17), (-15, 20), (-20, 22), (-23, 23), (-21, 20), (-19, 18)

Group 7 (connect each pair): (13, 5) & (3, 3), (-4, 16) & (1, 16), (13, 8) & (12, 5), (-6, 4) & (3, 3), (2, -2) & (2, -7), (20, -4) & (17, -15), (11, -7) & (10, -14), (5, -5) & (5, -11), (9, 14) & (10, 13)



The *coordinates* of a point tell you where to plot the point. The **first coordinate** tells you how many spaces to go left or right from the origin (0, 0). **Negative** numbers go to the **left** and **positive** numbers go to the **right**. The **second coordinate** tells you how many spaces to go up or down from the origin. **Negative** numbers go **down** and **positive** numbers go **up**.

