

Love Bug Graph – (1) Number the graph as follows. x-axis: -7 to 7; y-axis -9 to 9 (2) Connect the points in order in each column. (3) Find the missing coordinate pairs by reflecting across the x-axis.

| Upper body | Reflect | Lower body |  | Upper Leg     | Reflect | Lower Leg     |
|------------|---------|------------|--|---------------|---------|---------------|
| (-4, 0)    | =>      |            |  | (-2, 5)       | =>      |               |
| (-4, 2)    | =>      |            |  | (-2, 7)       | =>      |               |
| (-3, 3)    | =>      |            |  | (-3, 8)       | =>      |               |
| Stop       |         |            |  | Stop          |         |               |
| Connect    |         |            |  | Connect       |         |               |
| (3, 3)     | =>      |            |  | (4, 3)        | =>      |               |
| (4, 3)     | =>      |            |  | (5, 5)        | =>      |               |
| (6, 2)     | =>      |            |  | (7, 5)        | =>      |               |
| (7, 0)     | =>      |            |  | (7, 6)        | =>      |               |
| Stop       |         |            |  | Stop          |         |               |
| Upper Wing |         | Lower Wing |  | Connect       |         |               |
| (0, 0)     | =>      |            |  | (1, 5)        | =>      |               |
| (1, 1)     | =>      |            |  | (1, 7)        | =>      |               |
| (2, 2,)    | =>      |            |  | (3, 8)        | =>      |               |
| (3, 3)     | =>      |            |  | (3, 9)        | =>      |               |
| (3, 4)     | =>      |            |  | Stop          |         |               |
| (2, 5)     | =>      |            |  | Upper Antenna |         | Lower Antenna |
| (1, 5)     | =>      |            |  | (-4, 0)       | =>      |               |
| (0, 4)     | =>      |            |  | (-4, 2)       | =>      |               |
| (-1, 5)    | =>      |            |  | (-6, 3)       | =>      |               |
| (-2, 5)    | =>      |            |  | (-7, 4)       | =>      |               |
| (-3, 4)    | =>      |            |  | (-6, 5)       | =>      |               |
| (-3, 3)    | =>      |            |  | (-5, 5)       | =>      |               |
| (-2, 2)    | =>      |            |  | (-5, 5)       | =>      |               |
| (-1, 1)    | =>      |            |  | (-5, 4)       | =>      |               |
| (0, 0)     | =>      |            |  | Stop          |         |               |
| Stop       |         |            |  |               |         |               |

