Activity Scenario: Hopper is planting melaleuca and eucalyptus shrubs in a 10′ × 10′ area of land affected by wildfires in Australia. These shrub species should be planted in alternating rows with the greatest numbers of seeds possible to ensure biodiversity. For optimal health and growth of these species, plant the melaleuca seeds at least 2.5 feet away from other seeds, and the eucalyptus seeds at least 5 feet away from other seeds.

You will code Hopper to fly and hover at each location where you wish to plant a seed. Hopper can only carry one seed species at a time so Hopper will need to land back on the landing pad to fill up on seed. For future reference when monitoring the growth of the shrubs, you will mark and list the coordinates where you planted each seed in Quadrant I of a Cartesian plane.

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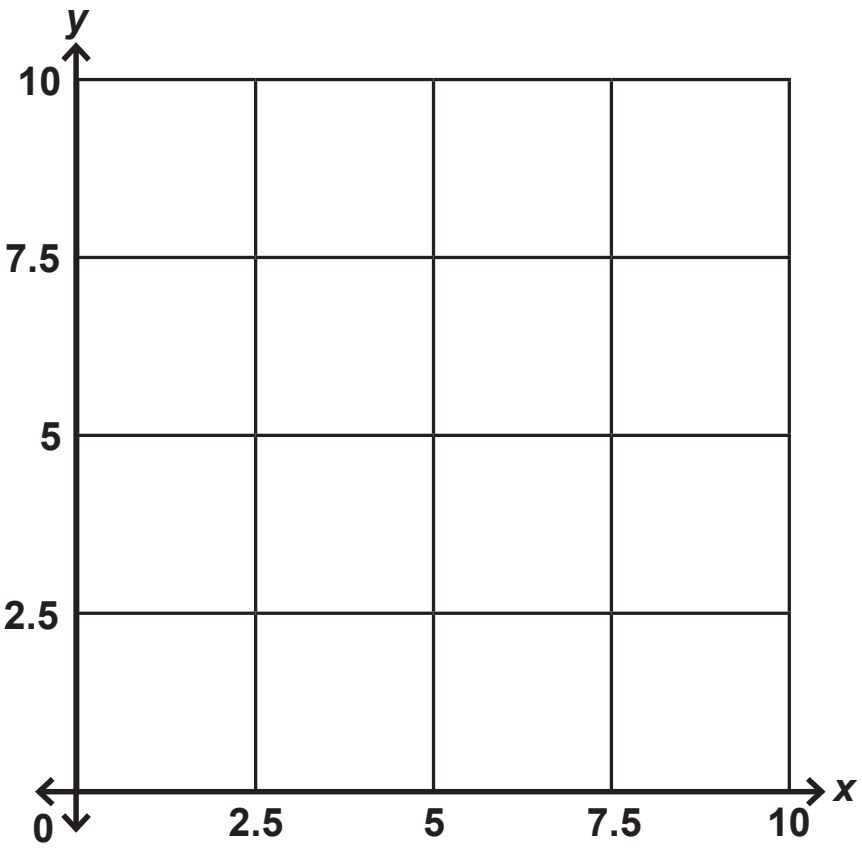
1. After running your code to plant seeds with Hopper, plot the locations below where you hovered to plant the seeds. Approximate locations as needed.



2. How many melaleuca seeds did you plant? _____

3. How many eucalyptus seeds did you plant? _____

4. List the ordered pair of the location of each seed planted in the form (***x***, ***y***).

_____

_____

Use this page for any drawings, notes, or calculations during the Earth Day activity.