

7. Tortoise and the Hare

(80 Points Possible)

Starting Position

Hare bot and Tortoise bot both start before the starting line.

Objective

Graph both bots for Distance over Time. Label graph appropriately to be scored.

Hare Bot travels half-way to the finish line, pauses for a period of time, and crosses the finish line at the same time as the Tortoise Bot.

Tortoise Bot starts at the same time as Hare Bot, travels at half the speed of Hare Bot, does not stop, and crosses the finish line at the same time as Hare Bot.

Scoring

#	Description	Points
1	Tortoise and Hare Bot start at the same time.	5
2	Tortoise and Hare Bot end at the same time at the finish line.	15
3	Tortoise Bot graph has shape as illustrated below.	20
4	Hare Bot graph has shape as illustrated below.	40

