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| **Challenges:** |
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| **Challenge 1:** Use rv.forward\_time(T,S,”unit”) to have Rover drive the path described by the graph below.  |

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| **Challenge 2:** Use rv.forward\_time() and rv.backward\_time() or rv.forward() and rv.backward() with distance and speed options to have Rover drive the path described by the graph below. |

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| **Challenge 3:** Use the rv.forward\_time() , rv.backward\_time(), rv.stay(), and rv.position() functions to have Rover drive the path described by the graph below. |

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| **Challenge 4:** Use the rv.forward\_time() , rv.backward\_time(), rv.stay(), and rv.position() functions to have Rover drive the path described below.Rover starts at 3 units to the right of zero. Rover drives backward at 2 units per second for 3 seconds. Rover stops and stays for 2 seconds, then drives forward at 2 units per second for 1.5 seconds. |

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| **Challenge 5:** Have Rover drive the path described by the graph and table below. Use the rv.forward\_time(), rv.backward\_time() and rv.stay() functions. |

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| **Challenge 6:** Have Rover drive the path described by the graph and table below and on page 6.2. Use the rv.forward\_time() , rv.backward\_time() and rv.stay() functions. Assume Rover starts at position zero. Note: The graph is of velocity vs. time.  |

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