## The Velocity and Acceleration of Thomas the Tank Engine



- 2. The velocity is shown, dashed. What degree polynomial is the acceleration? s'(t)5555556 7 t, hr
- 3. The speed is shown, dashed. Sketch the acceleration.

s(t) miles from Sir Topham Hatt



4. Mark on the graph of #3 what intervals is Thomas speeding up and slowing down. What do you notice?