


Date: _____

ALL work must be done in the grid below.

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- A diagram showing a black silhouette of a steam locomotive on the left. A horizontal line extends to the right from the locomotive's front. Another line extends upwards and to the right from the same point, forming an angle. An arc indicates this angle, which is labeled 2.5° . The text "Train Track" is written in a bold, italicized font along the upper line.

- How far, in meters, must the train travel to reach an altitude 30 meters above the horizontal ground? Round your answer to the nearest tenth. Show your work.
- If the train has traveled 750 meters before coming to a complete stop, how far, in meters, above the horizontal ground is the train? Round your answer to the nearest tenth. Show your work.

This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.