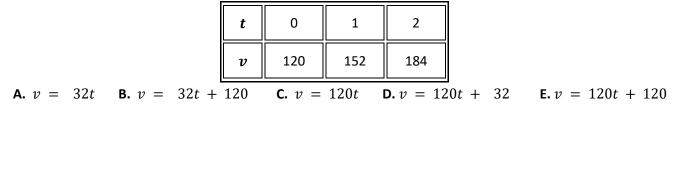
1.1 Modeling & Equation Solving

Review Target: Connecting Numeric, Algebraic, and Graphical Models

Review of Prior Concepts

Which of the following equations represents the linear relationship between time, t, and velocity, v, shown in the table below?



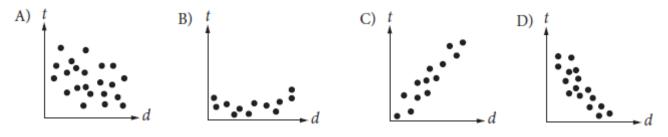
SAT Connection

Problem Solving and Data Analysis

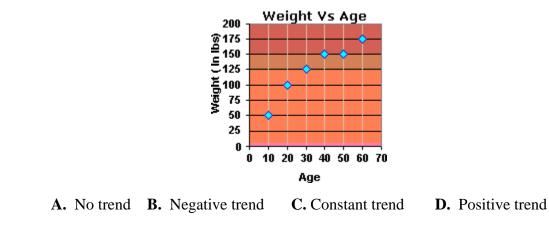
4. Given a scatterplot, use linear, quadratic, or exponential models to describe how the variables are related.

Example:

Which of the following graphs best shows a strong negative association between d and t?

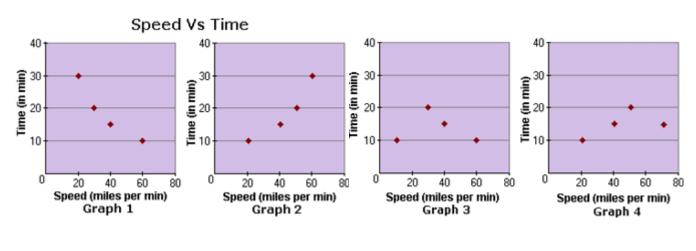


Graphical Models and Trends



Example 1: What sort of trend is shown in the scatter plot?

Example 2: Which scatter plot shows the negative relationship between the times taken to reach City A from City B at different speeds?



A. Graph 3 **B.** Graph 1 **C.** Graph 4 **D.** Graph 2