

Show all relevant work!

We've seen a number of examples in algebra where two (or more) quantities are related through a formula, graph, or table. We typically look at these relationships as a connection between an input value and a resulting output. In most cases we might even go so far as to distinguish one quantity as dependent on the other. For example, when you hire a taxi, the cost of the ride is *dependent* on the distance you travel. Consider the examples graphed below where the height of a flag changes with (depends on) time.

1. Lamont is hoisting a flag up (or down) a flag pole. Each graph below models a different way in which this activity might take place. For each graph, write a description of the way (speed and direction) the flag's height changes over time.

