

### **Enduring Understandings**

Generalizations of patterns and relationships can be expressed symbolically using equations and variables.

Linear relationships are characterized by a constant rate of change.

### **Essential Questions**

Why are equations and inequalities useful?

What makes a relationship linear?

Why are linear functions useful?

### **Indicators**

- 1.IM.2.1 combine like terms in variable expressions. (1.8.2.1, 6.8.6.1)
- 1.IM.3.1 solve problems involving direct and inverse variation. (1.8.3.2)
- 1.IM.3.2 determine the rate of change (slope) of a linear function when represented graphically. (1.8.3.3)
- 1.IM.3.3 apply and solve literal equations for an indicated variable.
- 1.IM.3.4 use equations and inequalities in one variable to solve a variety of problems. (1.8.3.1)
- 1.IM.4.4 graph linear equations on a coordinate plane. (1.8.5.2)
- 4.IM.3.2 make predictions about a set of data given the line of best fit. (4.8.3.2)
- 4.IM.3.3 fit a line to a set of data and make a prediction about the data. (4.8.3.3)