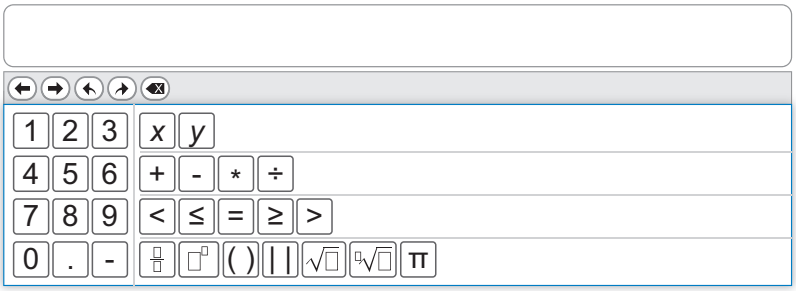
Grade Eight Sample Test Item—Concepts & Procedures
Achievement Level: Standard Nearly Met

A taxi cab company charges a fixed rate of $2 and an additional $1.60 for every mile traveled.

Enter an equation in the form of $y = mx + b$ that represents the amount (y), in dollars, charged by the taxi cab company for x miles.



Area	**Concepts & Procedures** Applying mathematical concepts and procedures
Standard(s)	Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values.
Answer	$y = 1.6x + 2$ [Scoring note: Accepts equivalent equations as correct]