

Essential Question: How do I write equations using two variables?

Questions /Main Ideas	Class Notes
What is an equation in two variables?	<p>An equation in two variables represents two quantities that change in relationship to one another. A solution of an equation in two variables is an ordered pair that makes the equation true.</p> <p>Is (3, 6) a solution to $y = 2x$?</p> <p>Substitute. Does $6 = 2(3)$? Yes, so it IS a solution.</p>
What are independent and dependent variables?	<p>The variable representing the quantity that can change freely is the independent variable. The other variable is called the dependent variable because its value DEPENDS on the independent variable.</p>
What is the distance formula?	<p>To find the distance traveled d, multiply the speed r, by the time t.</p> <p>$d = rt$</p>

Summary

We can write and use equation that have two variables in them. These variables will often depend on each other for their values. The dependent variable with **DEPEND** on the independent variable.