ID the Suspects

Name(s):

1. Go to geometricfunctions.org/links/identify-functions, read the Learning Goal, and go to page 2.

Q1 On page 2, drag variables to determine which ones are related.
An *independent variable* is a variable you can drag.
A *dependent variable* is one that moves only when you drag its independent variable.
In this table list the variables, describe their relative speed and direction, and describe any *fixed points* (where the two variables come together).

Independent Variable	Dependent Variable	Description of Relation
→		**Speed:** **Direction:** **Fixed Points:**
→		**Speed:** **Direction:** **Fixed Points:**
→		**Speed:** **Direction:** **Fixed Points:**
→		**Speed:** **Direction:** **Fixed Points:**
→		**Speed:** **Direction:** **Fixed Points:**

Q2 On page 3, drag the independent variables. How do x' and y' behave?

Q3 On page 4, drag the independent variables. How do b' and a' behave?

Q4 Each page from 5 through 12 shows two relations. One is a function and one is a non-function. For each page, write your observations and questions.

Page	Function	Non-function	Observations and Questions
5			
6			
7			
8			
9			
10			
11			
12			

Q5 Based on the examples and non-examples of functions on pages 3 through 12, write a definition of a function in your own words. In your definition, use the terms "independent variable" and "dependent variable" rather than "independent point" and "dependent point." Use complete sentences for your definition.