## **Linear Dynagraph Activity**

| 1. | Record your answers for Activity 1:                           |  |       |       |           |  |
|----|---|--|-------|-------|-----------|--|
|    | a.  | Equation   | Graph | Table | Dynagraph |  |
|    | b.  | Equation   | Graph | Table | Dynagraph |  |
| 2. | Record your answers for Activity 2:                           |  |       |       |           |  |
|    | a.  | Equation   | Graph | Table | Dynagraph |  |
|    | b.  | Equation   | Graph | Table | Dynagraph |  |
| 3. | Record your answers for Activity 3:                           |  |       |       |           |  |
|    | a.  | Equation   | Graph | Table | Dynagraph |  |
|    | b.  | Equation   | Graph | Table | Dynagraph |  |
| 4. | Record your answers for Activity 4:                           |  |       |       |           |  |
|    | a.  | Equation   | Graph | Table | Dynagraph |  |
|    | b.  | Equation   | Graph | Table | Dynagraph |  |
| 5. | Record your answers for Activity 5:                           |  |       |       |           |  |
|    | a.  | Equation   | Graph | Table | Dynagraph |  |
|    | b.  | Equation   | Graph | Table | Dynagraph |  |
| 6. | Record your answers for Activity 6:                           |  |       |       |           |  |
|    | a.  | Equation   | Graph | Table | Dynagraph |  |
|    | b.  | Equation   | Graph | Table | Dynagraph |  |
| 7. | Ch  | Challenge Activity:  a. Which dynagraph(s) have a positive slope? How do you know? |       |       |           |  |
|    | b. Which dynagraph(s) have a negative slope? How do you know? |  |       |       |           |  |

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- c. Which dynagraph(s) have a slope of 1? How do you know?
- d. Which dynagraph(s) have a slope whose absolute value is less than 1? How do you know?
- e. Which dynagraph(s) have a slope whose absolute value is greater than 1? How do you know?