

Try This 2 – 7 (TT2 – 7) Possible Solutions

TT 2.

- a. The lines in the graph are different in their steepness.
- b. All of the lines pass through the point (0, 0) and have positive slopes.

TT 3.

- a. The steepest line is Line A.
- b. The line that is least steep is Line D.

TT 4. To determine the slope of the lines, you could find two points on the line and determine the rise/run ratio between those two points.

TT 5. Yes, a value for the slopes would help verify their answers. The student should reason that steepness and slope are directly related.

TT 6.

- a. Lines E and H have opposing orientations. Line E falls to the right, and Line H rises to the right.
- b. The two lines are similar because they share the same steepness.

TT 7. To differentiate Line F from Line G, the student could talk about the Line F as descending as the x-coordinates increase, while Line G is ascending as the x-coordinates increase.