

Ten Second Linear Graphs Activity

Description

Students are asked to make 10-second sketches of linear graphs from slope intercept form.

Use the activity as a review of linear graphs using slope and y -intercept.

Prep Work

Print sets of equations to project using document camera or to write on the board.

File: 1.2 Ten Second Linear Graphs Activity Template.docx

Instructions

○ Pre Activity

None

○ Activity

- Have the students take out a piece of paper and put six axes on the paper and number them. There should be no tick marks on the axes.
- Write six linear equations on the board or on the document camera using different types of numbers (small, large, fractions, positive, negative)
- Student get a couple minutes to draw quick sketches of the lines where all that matters is the vertical intercept is in the correct location above, below or at the origin, and the line is going in the correct direction according to the slope.
- (Optional) Have students trade papers to grade.
- Ask for 6 volunteers to come to the board or document camera and draw one of the lines. Have the class discuss why the graph drawn is correct or how to fix it if it is wrong.
- **When students exchange and grade neighbor's papers, have them write the equation on paper next to 10-second graph for a reference by students of correct form.**
- If you want to extend this activity, do it after section 1.5 and ask students to give the domain and range of each function.
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○ Post Activity

Small discussion of the characteristics of a line.

Time Required

10-15 minutes