

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

### Writing Equations of Lines Open Response

Given two points, show how you can find the equation of the line that connects the points. **Explain and justify** the steps you take so that someone could follow them to find the equation of a line on their own given another set of points.

Using bullet points, or brief explanations next to your work is highly recommended! Use fractions unless you have terminating decimals.

Find the equation of the line that contains the following points:  
 $(-5, 4)$  and  $(2, -7)$