Guided Notes: Equations of Parallel Lines

# Are These Lines Parallel?

Determine if each pair of lines are or are not parallel. Explain your thinking.

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| --- | --- | --- | --- |
| **1)** | The slopes of the lines are  and . The slopes are not the same, so the lines are not parallel. | **2)** | The slopes of the lines are  and .The slopes are the same, so the lines are parallel. |

# Writing Equations

Write an equation of the line that has the given properties.

**3)** The line passes through  and is parallel to .



**4)** The line passes through  and is parallel to .

