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Study Guide:

Slope Formula:

Slope-Intercept Equation:

Give 2 Examples of Changing Standard Form to Slope-Intercept Form:

Equation for Horizontal Line: write 2 examples

Equation of Vertical Line: write 2 examples

Equation of Negative Slope line: write 2 examples

Equation of a Positive Slope line: write 2 examples

Equation of a proportional line: write 2 examples.

Graph All 8 Examples Below on One or Two Grids

One solution for a System of Linear Equations: Write 2 equations, graph and verify by plugging in values

No solution for a System of Linear Equations: Write 2 equations and graph, then verify by setting equations equal to each other and get no solution like 0=4

Infinite solutions for a System of Linear Equations: Write 2 equations and graph, then verify by setting equations equal to each other and bet infinite solutions like 0=0

Write down some word problem examples – assign x and y variables, write 2 equations, graph the two equations, answer questions about the context