

Slope Menu Task:

Build as *few* ordered pairs as possible to satisfy each constraint at least once.

You can connect any pair of points to satisfy the constraints.

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|----|-----------------------------------------------------------------|----|-----------------------------------------------------|
| A. | The slope between the points is perpendicular to $-\frac{2}{3}$ | B. | The slope between the points is less than 1 |
| C. | The slope between the points is <i>not</i> positive | D. | One of the points is (-2 , -5) |
| E. | The slope between the points is an integer | F. | The slope between the points has a denominator of 3 |
| G. | Both points are in the second quadrant | H. | Both points are on the axes |

Which constraints pair nicely?

Which constraints cannot be paired?

Is it possible to solve in 2, 3, or 4 ordered pairs?

Describe how and why you built each ordered pair.

Be sure to identify which pairs of points satisfy which constraints.

