

Mathematics Class Slides

Bronx Early College Academy

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2.8 Pretest Circles and Volume, 14 October

Open Middle problem (fun)

Use digits from 0 to 9. Using a digit no more than once.

The first two angle measures are complementary. The second two angles supplementary. (degrees)



Using the integers -9 to 9 at most one time each, place a digit in each box to create endpoints for two different line segments whose midpoint is $(1, 3)$. One line segment should have a positive slope, and the other should have a negative slope. You may reuse all the integers for each line segment.

Using the integers -9 to 9 at most one time each, place a digit in each box to create endpoints for the longest possible line segment whose midpoint is $(1, 3)$.