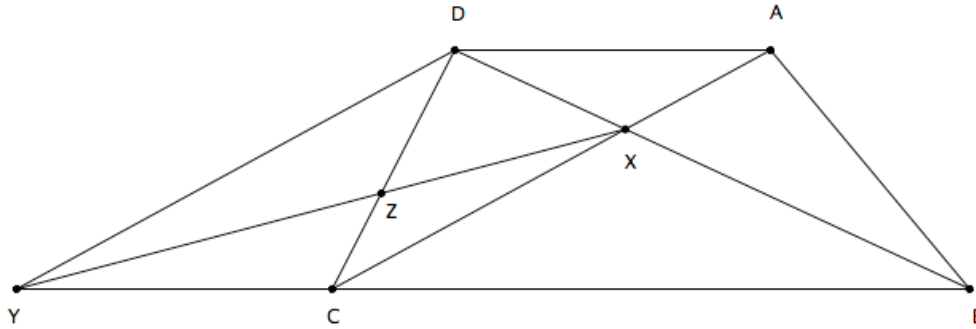


Handout 14

Posing Geometric Problems

Student Activity:



In the figure above, ABCD is a trapezium whose parallel sides are \overline{AD} and \overline{BC} . X is the point where the diagonals intersect. \overline{DY} is drawn as $\overline{DY} \parallel \overline{AC}$ and cuts \overline{BC} at Y.

Use different facilities of Cinderella – constructing, dragging, measuring, and calculating facilities – to **pose** as many various and different **geometric problems** as possible, which could be answered either in direct or indirect ways based on the given information.