Draw Me a Riddle

Use the rules below to draw a figure.

- Line *AB* intersects with line *CD* at point *X*.

- Line segment *AX* has the following points on it: *M, N,* and *O*.

- A ray with endpoint *O* intersects line segment *XC* at point *Y*.

1. Will ray *OY* intersect line *AB* at any point other than *O*?

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2. Name two line segments within line segment *XC*.

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3. Name three line segments within line segment *AX*.

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4. Will ray *OY* intersect line *CD* at any point other than *Y*? Explain.

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5. Name the shape that has endpoints *X, O,* and *Y*.

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6. Picture ray *XD*. Does it intersect ray *OY* at any point? Explain.

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Use with text pages 390–391.