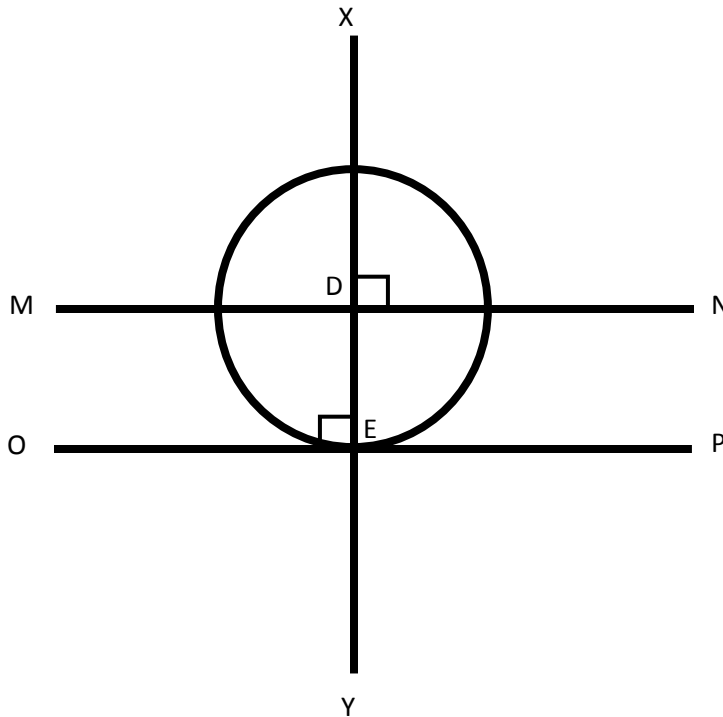Name _____   Date _____

Basic Geometry Definitions - Step-by-Step Lesson

This is a diagram of circle A. Answer the questions below based on the diagram.

a. Name 2 angles formed by line MN and line XD. _____, _____

b. Name 2 perpendicular lines in the diagram. _____, _____

c. Name 2 parallel lines in the diagram. _____, _____

d. Which line segment would be equal to the radius of circle A?_____

e. Which line segment would be equal to the diameter of circle A. _____

Explanation:

a. Angles are named using the points on the angle and inserting the vertex in between. There are two angles formed by

the intersection of lines MN and XD: XDN and XDM

b. Perpendicular lines meet at a right angle (90°).

The answer is: XY ⊥ MN and XY ⊥ OP.

c. Two lines on a plane that never meet are parallel. They are always the same distance apart.

Answer is: MN ∥ OP

D. The radius of a circle is the length from the perimeter to the center.

Answer is: ED

e. The line segment is perpendicular to the diameter of container circle.

Answer is: EY