

**Lines, Rays, and Line Segments**

A **line** is a straight path that continues on forever in two directions.

A **ray** is a straight path that continues on forever in one direction.

A **line segment** is part of a line that has two endpoints.



Line



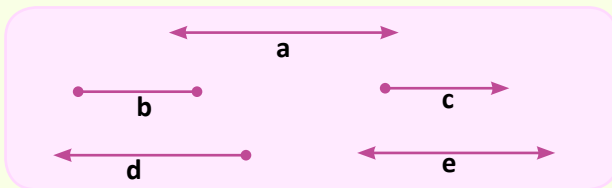
Ray



Line Segment

**Example 1**

Identify the lines, the rays, the line segments in the following picture.



**Explanation**

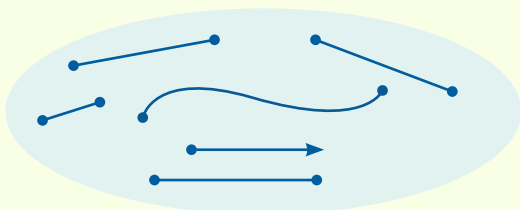
**Lines:** a and e

**Rays:** c and d

**Line Segments:** b

**Example 2**

How many line segments are in the following figure?



**Explanation**

A line segment is part of a line that has **two endpoints** and it has to be a straight line. So there are 4 of them as shown below.

