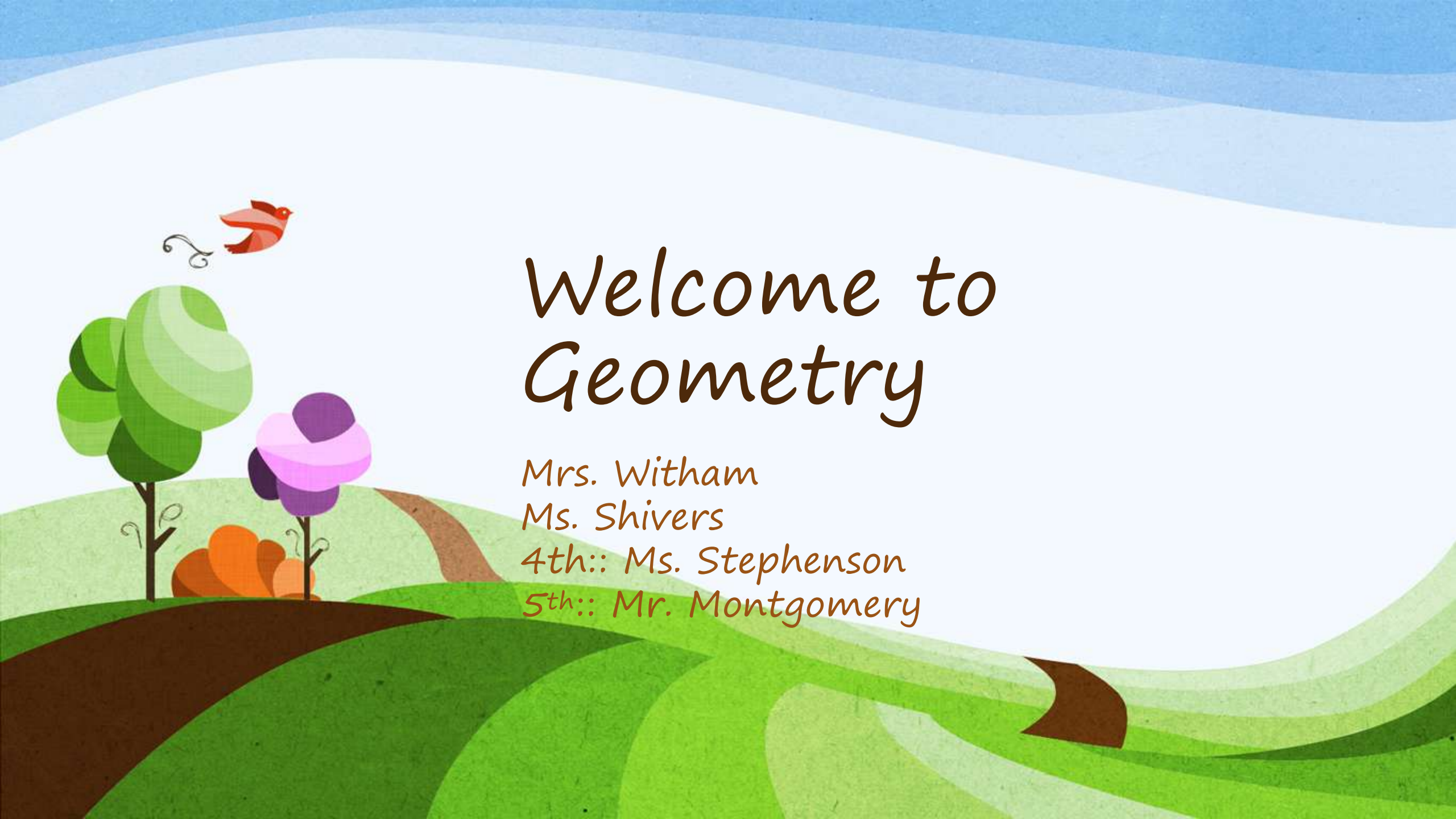




Welcome to Geometry

Mrs. Witham

Ms. Shivers

4th:: Ms. Stephenson

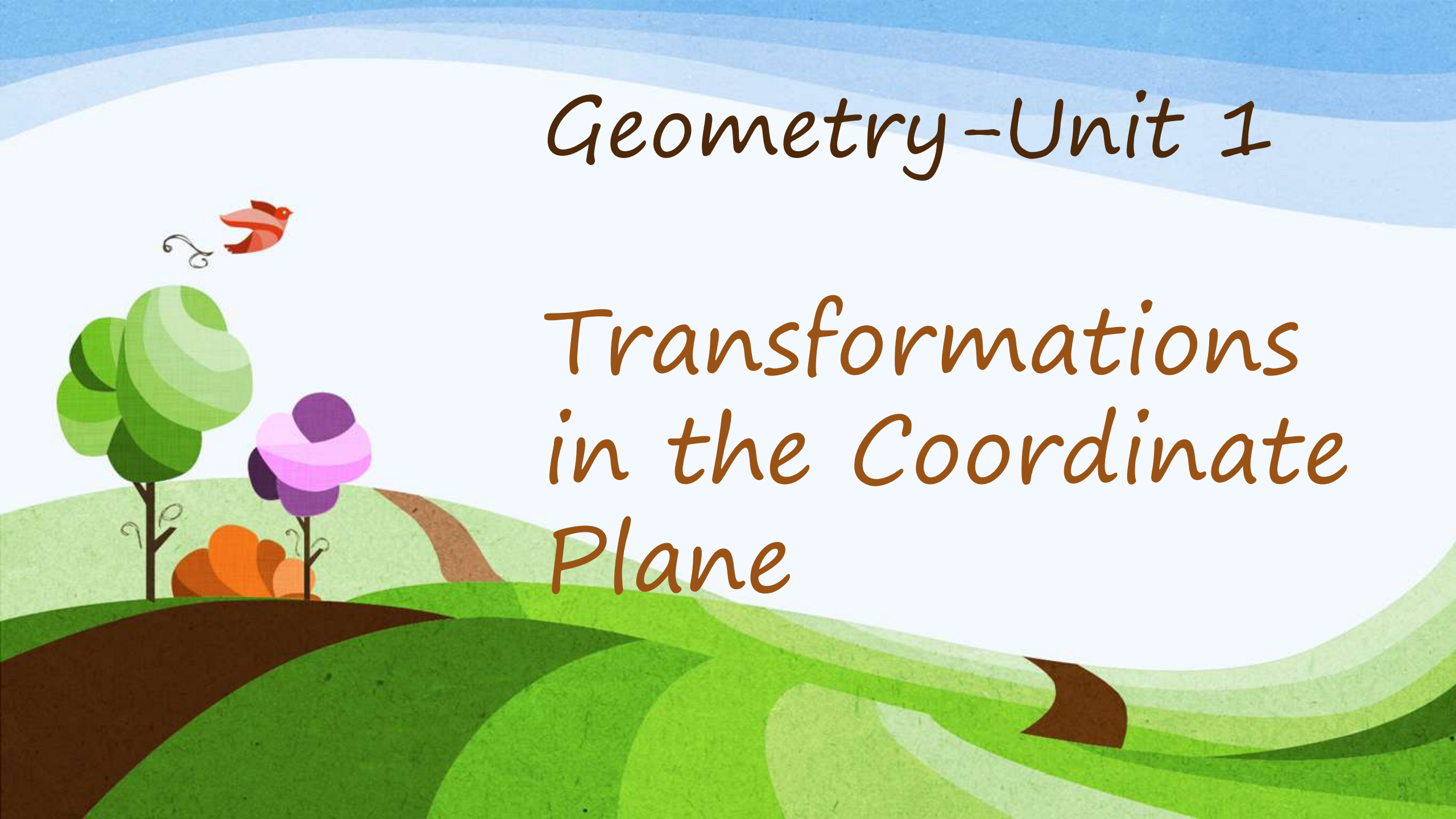
5th:: Mr. Montgomery

Getting to Know You

- On a piece of notebook paper answer the following questions:
 - What is your goal for this year?
 - What is your goal for after you graduate from high school?
- Choose one or more of the following questions to answer:
 - If you could travel anywhere, where would you go?
 - What are your extracurricular activities and hobbies?
 - Who is your favorite actor, musician, or artists? What is your favorite movie, song, or painting?
 - What are you most proud of?
 - What is your favorite food or meal?

Geometry-Unit 1

Transformations in the Coordinate Plane



Day 1

Agenda

- Write the following terms in your notebook.

Learning Target

- Know vocabulary associated with the undefined terms of point, line, and plane.
- (MGSE9–12. G.CO.1)
- Essential Question: What are the undefined terms essential to any study of Geometry?

1) Point—one of the basic undefined terms in geometry, usually refers to a location and is represented with a dot. A point has no length, width or thickness.

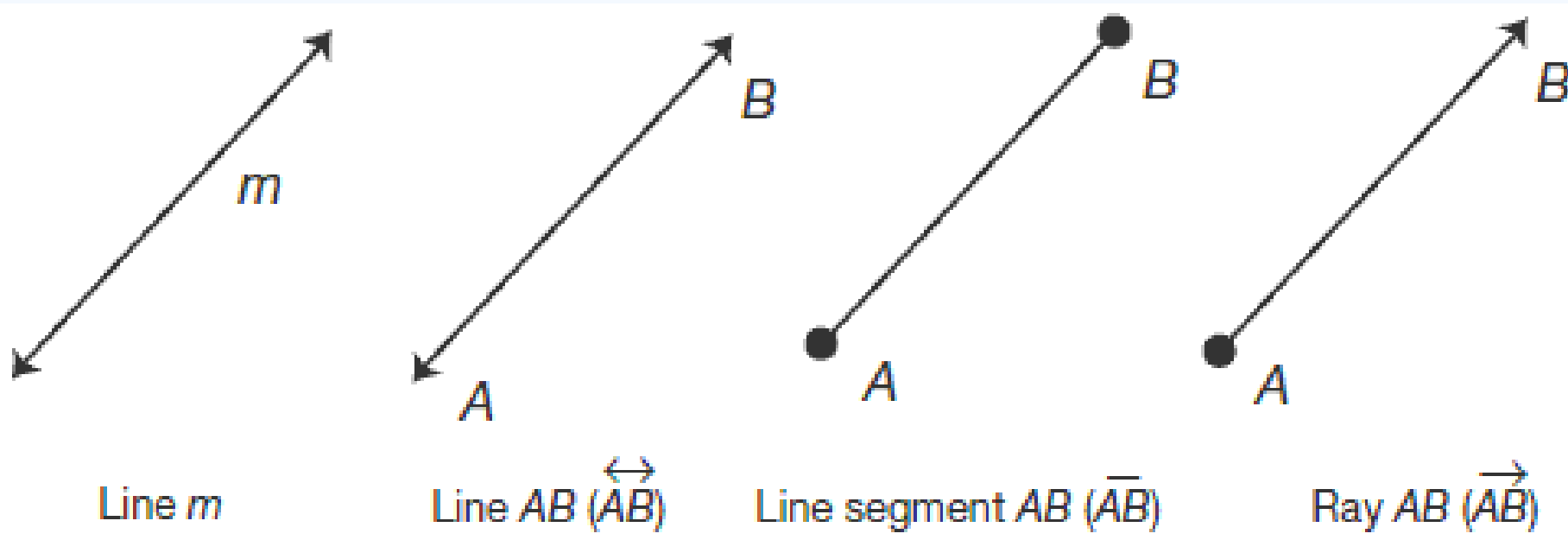
A point is named with a capital letter

Point B –

2) Line—another undefined term in geometry that refers to a set of points that extends infinitely in two directions. A line has no thickness and is named with either two capital letters or a lowercase cursive letter.

3) Line segment – a portion of line consisting of two endpoints and all the points in between.

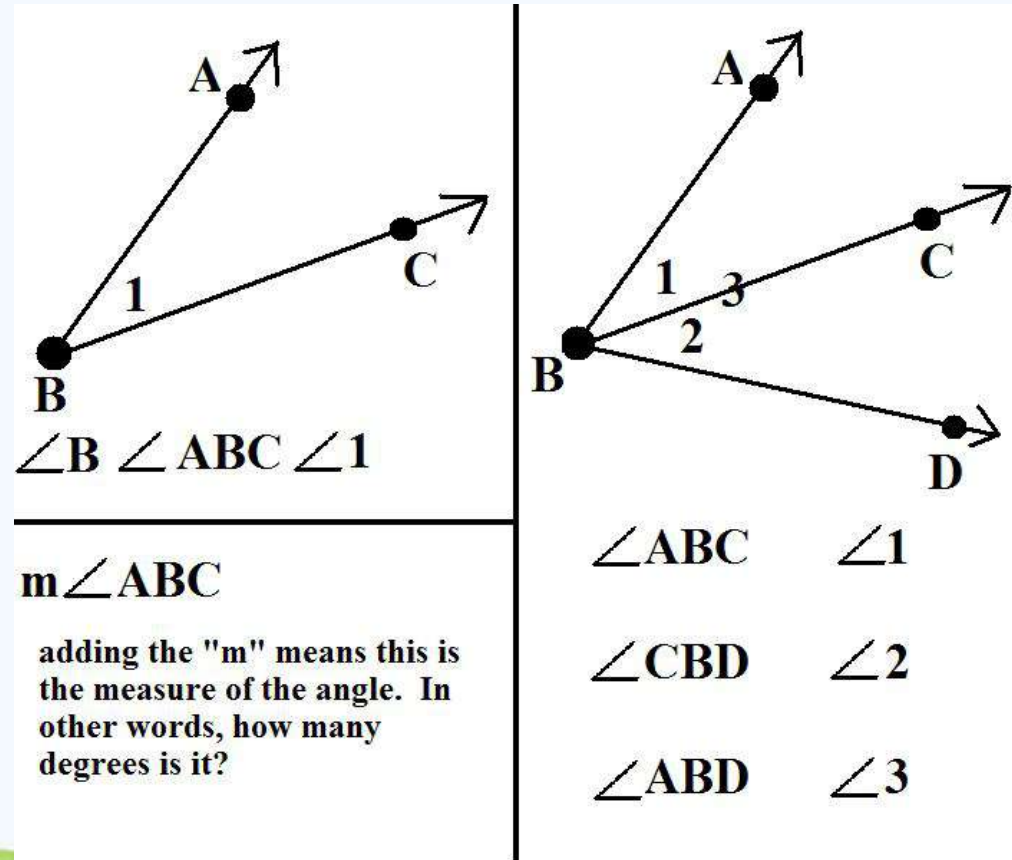
4) Ray – a portion of a line that begins at one endpoint and continues forever in one direction



5) Plane – considered one of the undefined terms in Geometry, a plane has no thickness and extends in two dimensions without end. It is usually represented by a shape that looks like a tabletop, in actuality a plane has no edges.

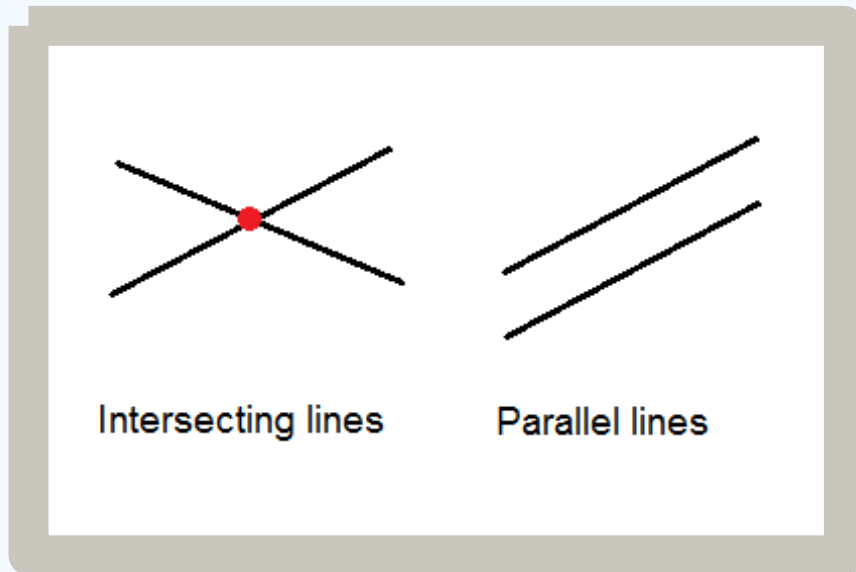


6) Angle – a figure consisting of two distinct rays that meet at a common endpoint known as the vertex.



7) Parallel lines- two lines are parallel if they are in the same plane and do not intersect

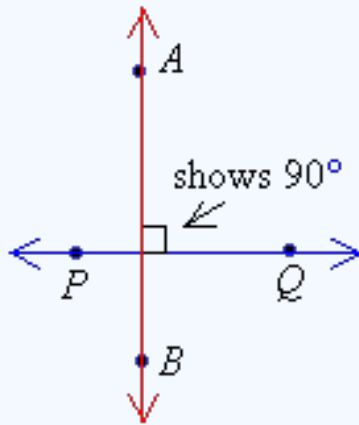
Symbol



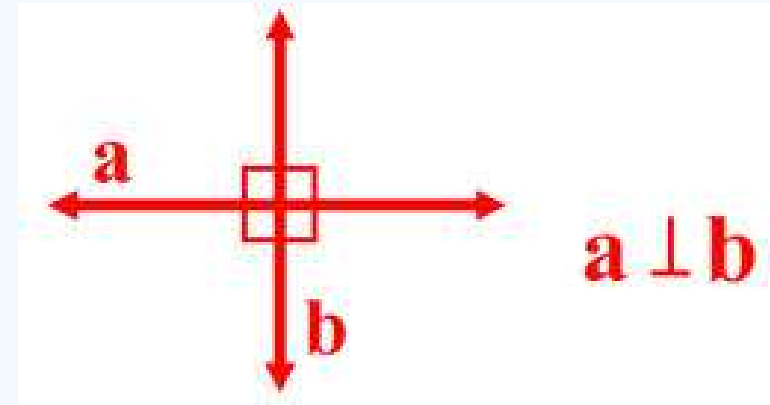
$$AB \parallel CD$$

8) Perpendicular lines–

Two lines that intersect to form a right angle.



$$PQ \perp AB$$

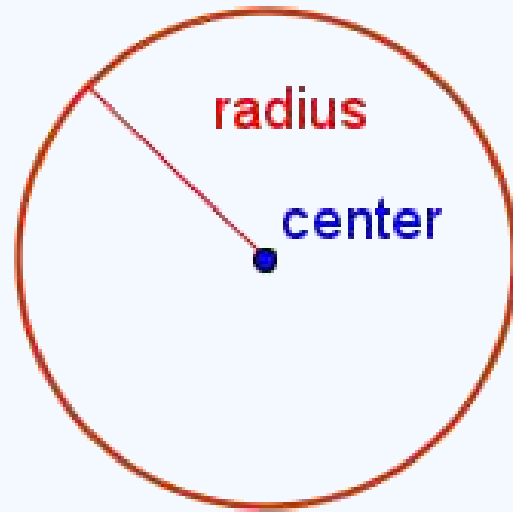


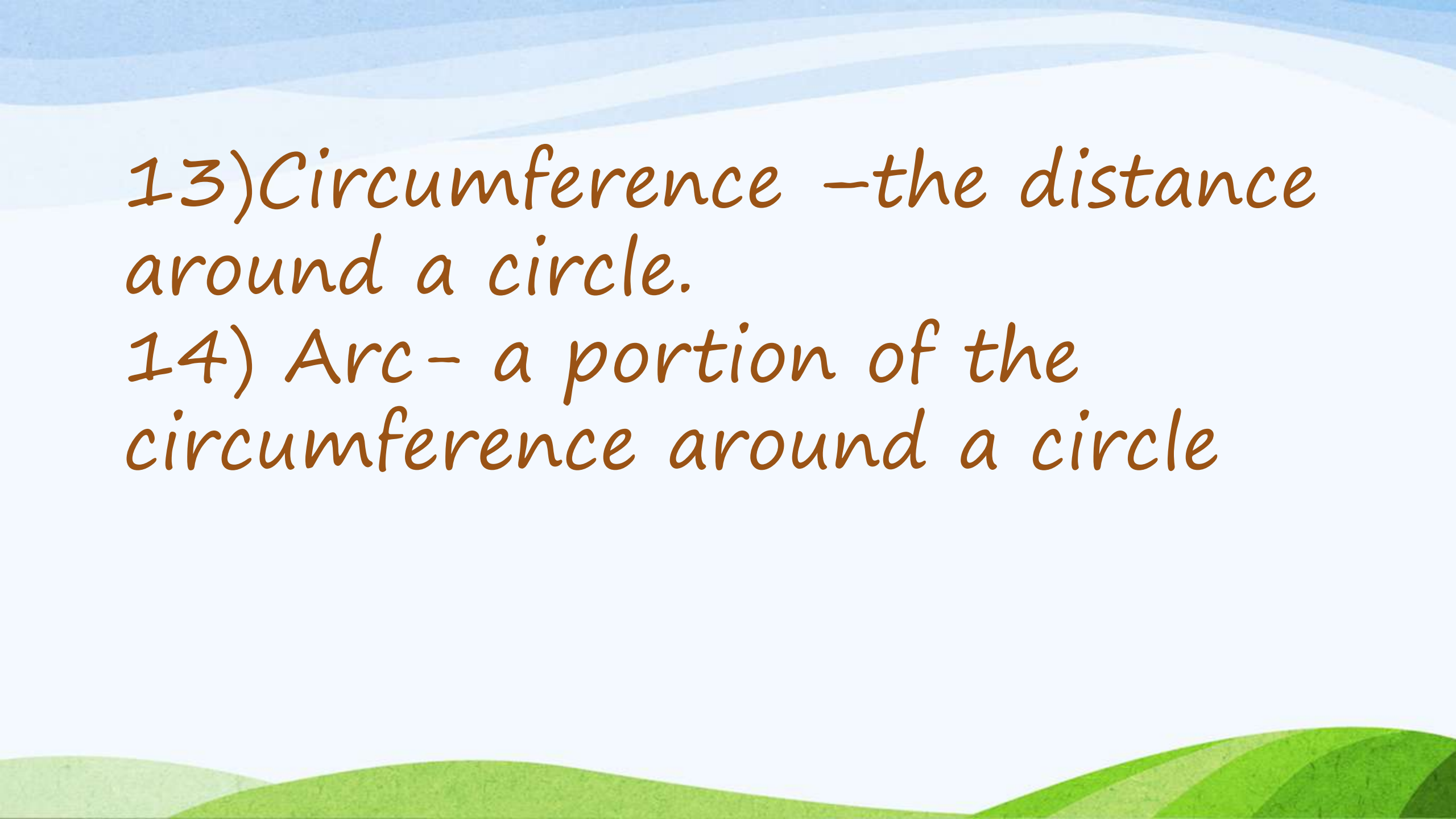
9) Skew – two lines that do not intersect and are not coplanar.

10) Collinear – points that lie on the same line.

11) Coplanar points – points that lie in the same plane.

12) Circle – set of all points in a plane that are equidistant from a given point.





13) Circumference – the distance around a circle.

14) Arc – a portion of the circumference around a circle