**Main**

Parameters passed to Constructor returns Parameters passing to check

Ellipse class Ellipse class and compute

**Test And compute**

Asks user two enter points two get 2 ellipses

**Parent (Ellipse class):**

-assign variables

-get focus points

-check for major and minor axis

-area, circum

-if point inside or outside

**doSimulation**

calculating area of box random numbers times

Checking whether point inside of the ellipse or outside

Calculating Major, minor axes, area and circumference

Parameters passing to Point class Using box to return

and returning coordinates

**simulateOnce**

running doSimulation returns True, if point inside

**simulate**

simulating points in box, and count how many in the box

**getBox**

getting box with points to surround ellipses

taking 2 ellipses

returning probability

of pts in both ellipse 2 ellipses

taken to

check if points

inside ellipse