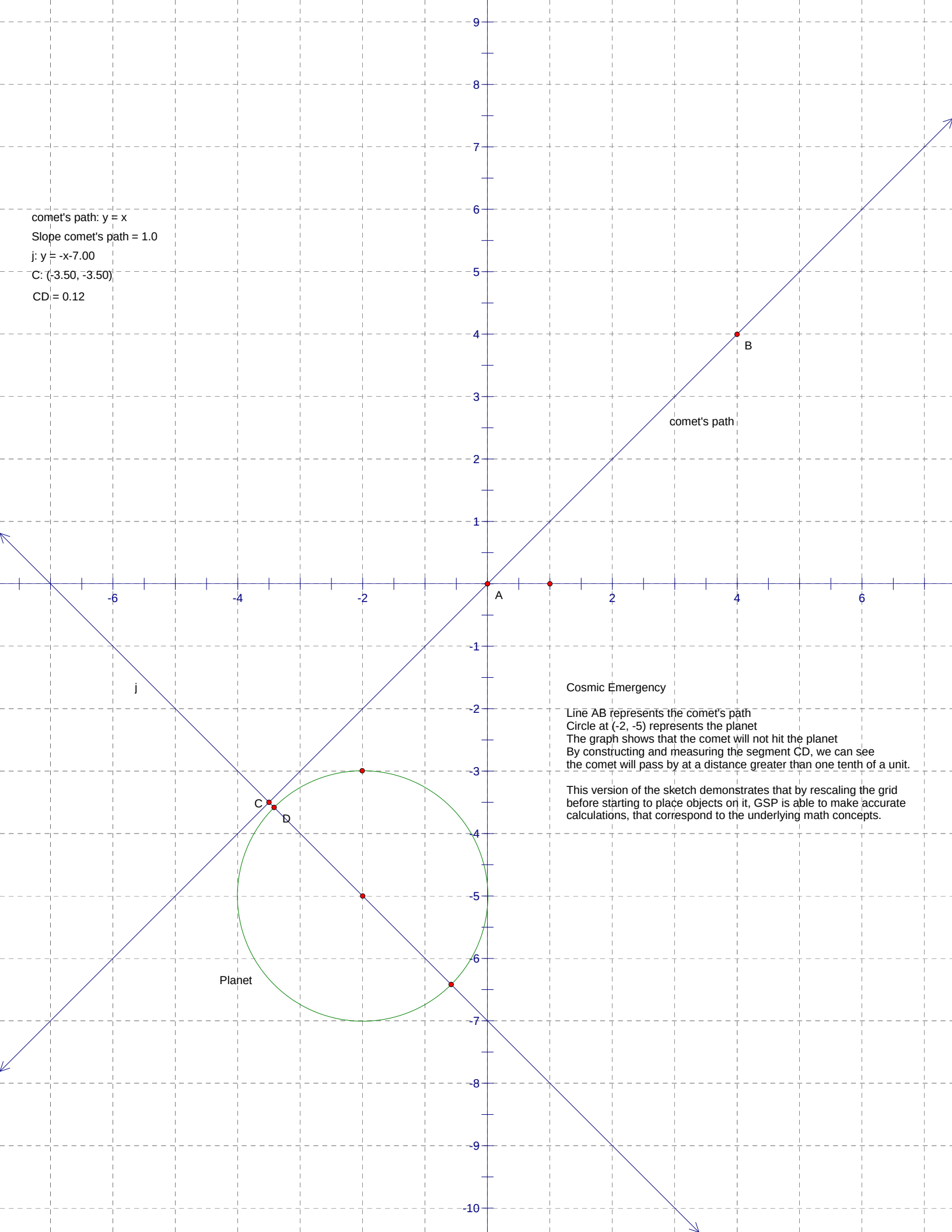
comet's path: y = x
Slope comet's path = 1.0
j: y = -x-7.00
C: (-3.50, -3.50)
CD = 0.12
B
comet's path
A
j
C
D
Planet
Cosmic Emergency
Line AB represents the comet's path
Circle at (-2, -5) represents the planet
The graph shows that the comet will not hit the planet
By constructing and measuring the segment CD, we can see
the comet will pass by at a distance greater than one tenth of a unit.
This version of the sketch demonstrates that by rescaling the grid
before starting to place objects on it, GSP is able to make accurate
calculations, that correspond to the underlying math concepts.