Homework	Name		No.		Score	

(Q1)(5pts) The calibration data of a camera is given as:

focal length: fx = 657.0 pxl, fy = 657.0 pxl
principal point: uo = 302.0, vo = 242.0
lens distortion: k1=-0.25, k2=0.12 .

Calculate the image projection of the point of (100mm, -200mm, 500mm) with respect to the world coordinate system when the origin position of the world coordinate system is (0, 0, 1000) with respect to the camera coordinate system while the both coordinate systems are parallel.

(Answer)