

HW 53 – Converting between Polar and Rectangular Functions
Precalculus (Oberle)

FROM THE BOOK: p 400/13, 17, 21

For the problems from the book, remember to draw a sketch of the graph (you may use your calculator) as well as finding the rectangular equation (in terms of x and y).

For the following problems, sketch a graph of the rectangular function and then convert to a polar function in the form $r = f(\theta)$.

1. $x = -2$
2. $y = 2 - x$
3. $y = x^2$