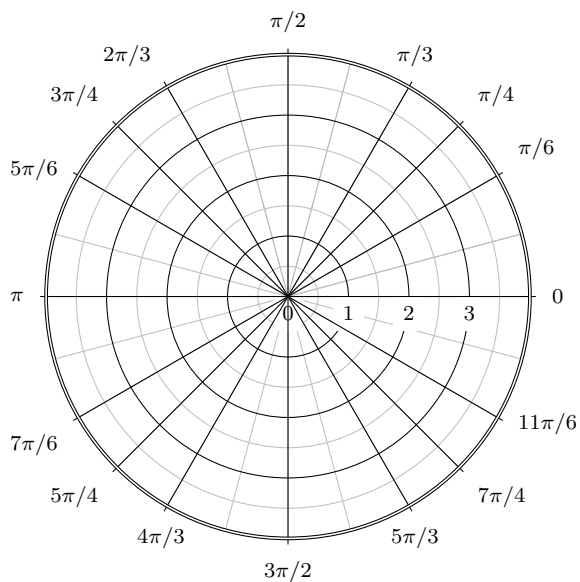## Section 7.3: Polar Coordinates (Day 2)

(1) Convert the equations below from rectangular equations to polar equations.

    (a) $x^2 + y^2 = 20$

    (b) $y = 5x^2$

(2) Sketch the graph of the polar equations below.

    (a) $r = 3 - 2\sin(\theta)$

    (b) $r = 2\cos(3\theta)$