1.	The following points are in rectangular	coordinate,	change them t	o polar	coordinate.	Use exact	value wl	henever
рс	ssible.							

- a. (0,1)
- b. (3,3)
- c. $(-\sqrt{3},1)$
- d. (0, -1)
- e. $(-1, -\sqrt{3})$
- f. (-2, -3)
- g. (2, -5)
- h. (4, -1)
- 2. The following points are in polar coordinate, change them to rectangular coordinate. Use exact value wheneven possible.
- a. (1,0)
- b. (-1,0)
- c. $\left(2, \frac{2\pi}{3}\right)$
- d. $\left(-3, -\frac{5\pi}{6}\right)$
- e. $\left(-1, \frac{9\pi}{4}\right)$
- f. $(1, -\frac{\pi}{2})$
- g. (-1,1)
- h. (-4, -2)
- 3. Describe the curve given by the following polar equation:
- a. r = 10
- b. $\theta = -\frac{\pi}{3}$
- c. $r = 2\theta$, $0 \le \theta < \infty$
- d. $r = 10\sin\theta$
- e. $r = 8\cos\theta$
- f. $r = -2\sin\theta$