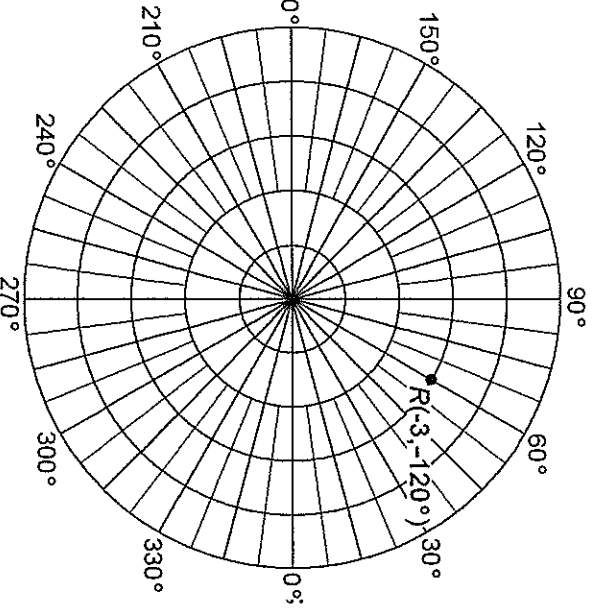


- 1) D 2) B 3) A 4) C 5) C
- 6) B 7) D 8) A
- 9) Quadrant I

- 10) SAMPLE ANSWER: Begin by plotting $-\frac{\pi}{4}$ by drawing $-\frac{\pi}{4}$ clockwise from the polar axis. Since $r = -2$, go out 2 units along the ray opposite the terminal side of $-\frac{\pi}{4}$.



(b) SAMPLE ANSWERS: $(3, 60^\circ)$, $(3, -300^\circ)$, and $(3, 420^\circ)$

- 12) $(4, 0)$
- 13) $(2, \frac{3\pi}{2})$
- 14) $(-\sqrt{2}, \sqrt{2})$
- 15) $(0, -3)$
- 16) $(-\frac{\sqrt{3}}{2}, -\frac{3}{2})$

