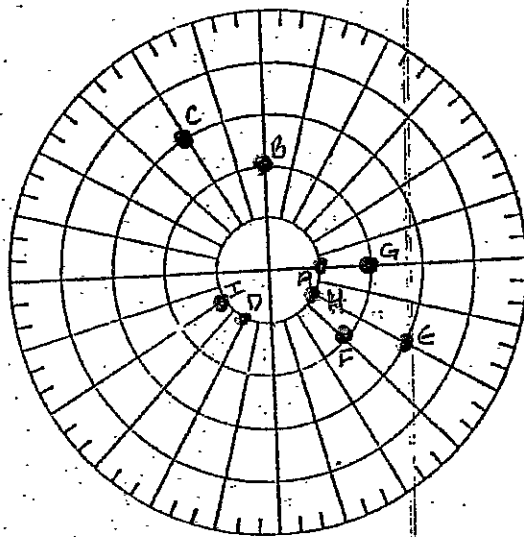


## Polar Coordinates Review Answers

- I.
- |                                        |                              |                                          |
|----------------------------------------|------------------------------|------------------------------------------|
| 1) $(\frac{\sqrt{2}}{2}, \frac{1}{2})$ | 4) $(-6.6, 2.4)$             | 7) $(\frac{3}{2}, -\frac{3\sqrt{3}}{2})$ |
| 2) $(0, 3)$                            | 5) $(3\sqrt{2}, -3\sqrt{2})$ | 8) $(-10, -4.6)$                         |
| 3) $(-2\sqrt{2}, 2\sqrt{2})$           | 6) $(2\sqrt{2}, -2\sqrt{2})$ | 9) $(-\sqrt{3}, -1)$                     |

- II.
- |                                |                               |                                |
|--------------------------------|-------------------------------|--------------------------------|
| 1) $(13, 112.6^\circ)$         | 4) $(\sqrt{37}, 170.5^\circ)$ | 7) $(\sqrt{13}, 326.3^\circ)$  |
| 2) $(\sqrt{34}, 59^\circ)$     | 5) $(10, 233.1^\circ)$        | 8) $(2\sqrt{13}, 236.3^\circ)$ |
| 3) $(2\sqrt{26}, 281.3^\circ)$ | 6) $(\sqrt{5}, 333.4^\circ)$  | 9) $(\sqrt{26}, 11.3^\circ)$   |

III.



IV.

- 1)  $(5, 120^\circ)$   
 $(5, -240^\circ)$   
 $(-5, -60^\circ)$   
 $(-5, 300^\circ)$
- 2)  $(10, -45^\circ)$   
 $(10, 315^\circ)$   
 $(-10, -225^\circ)$   
 $(-10, 135^\circ)$