

Name: \_\_\_\_\_

Class Period: \_\_\_\_\_

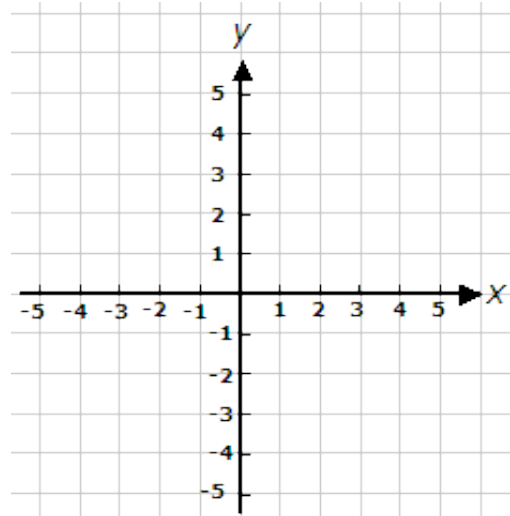
**Physics: Mathematical Toolkit**  
**Converting Coordinates Homework**

**\*Set calculator to degrees**

**\*Show all your work for full credit**

**On the coordinate axis shown, sketch the approximate location of the following angles:**

- 1.)  $25^\circ$
- 2.)  $115^\circ$
- 3.)  $190^\circ$
- 4.)  $280^\circ$
- 5.)  $345^\circ$



**Convert the rectangular coordinates given below to polar coordinates**

6.  $(2.0, 3.5)$

7.  $(-2.30, 1.40)$

8.  $(4.2, -2.0)$

*See back for last questions*

**Convert the polar coordinates given below to rectangular coordinates**

9.  $(2.00, 330^\circ)$

10.  $(3.21, 200^\circ)$

11.  $(9.60, 143^\circ)$