

Math 112, section \_\_\_\_\_ = \_\_\_\_\_ %  
Quiz 11, version A, Spring 2011 20  
Section 13.5 & 10.1

NAME: \_\_\_\_\_

Seat Location: \_\_\_\_\_

**Full credit is based on work shown!**

2pts

1. Evaluate  $\binom{6}{4} = {}_6C_4 =$

10pts

2. Expand this expression using the Binomial Theorem:

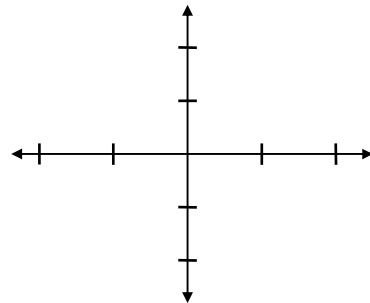
$$(x + 3)^6 =$$

For the following problems, plot the point. Label as appropriate for each problem.

4pts

3. Convert from Polar Coordinates to Rectangular Coordinates.

$$(r, \theta) = \left(6, \frac{\pi}{6}\right) \text{ means } (x, y) =$$



4pts

4. Convert from Rectangular Coordinates to Polar Coordinates.

$$(x, y) = (-2, +2) \text{ means } (r, \theta) =$$

