Name _____   Date _____

Calculating Distance in the Complex Plane - Matching Worksheet

Match the word problems to their answers. Write the letter of the answer that matches the problem.

_____ 1. Find the distance between (-3 -5i) and (3 + 4i) on the complex plane.   a. 8

_____ 2. Calculate the distance between (-4+2i) and (3+4i) on the complex plane.   b. 10

_____ 3. Find the distance between (-3 -5i) and (-3 + 5i).   c. 10.82

_____ 4. Calculate the distance between (-4 -4i) and (-4 + 4i).   d. 5.65

_____ 5. What is the distance between (-5 -4i) and (-4+ 2i) on the complex plane?   e. 6.08

_____ 6. What is the distance between (-2-2i) and (2+2i) on the complex plane?   f. 7.28

_____ 7. Calculate the distance between (-1 +1i) and (-5+6i).   g. 6.32

_____ 8. Find the distance between (2-4i) and (-4+1i)?   h. 7.80

_____ 9. What is the distance between (-4-4i) and (2+1i) on the complex plane?   i. 7.41

_____ 10. Find the distance between (-2+3i) and (4+5i)?   j. 6.40