

Name \_\_\_\_\_

Date \_\_\_\_\_

**Simplifying Complex Numbers - Matching Worksheet**

Write the letter of the answer that matches the problem.

\_\_\_\_\_ 1.  $\sqrt{-196}$

a.  $i$

\_\_\_\_\_ 2.  $i^6$

b.  $\sqrt{8}i$

\_\_\_\_\_ 3.  $i^5$

c.  $\sqrt{24} + 2i$

\_\_\_\_\_ 4.  $i^3$

d.  $3 + 5i$

\_\_\_\_\_ 5.  $\sqrt{-8}$

e.  $14i$

\_\_\_\_\_ 6.  $\sqrt{-49}$

f.  $-1$

\_\_\_\_\_ 7.  $\sqrt{24} + \sqrt{-4}$

g.  $1$

\_\_\_\_\_ 8.  $\sqrt{64} + \sqrt{-16}$

h.  $7i$

\_\_\_\_\_ 9.  $\sqrt{9} + \sqrt{-25}$

i.  $8 + 4i$

\_\_\_\_\_ 10.  $\sqrt{-36} + \sqrt{9}$

j.  $6i + 9$

