



# Algebra 2

## Topic // Complex Practice B

Standards: 8.0 Holt: 5-9 Complex Numbers p. 383

N:

D: P: 1 2 3 4 5 6

1. Find the value of:  $i^7$

2. Find the value of:  $8i^5$

3.  $(-4 - 5i) + (3 - i)$

4.  $(6 + 8i) - (7 - 4i)$

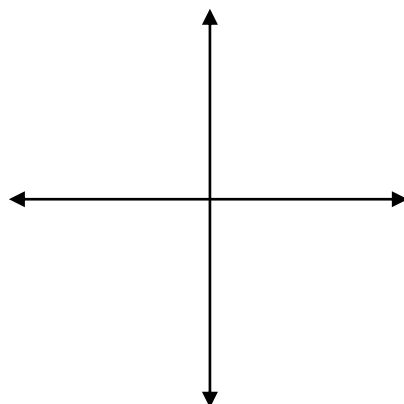
5.  $(8 - i)(4 - 2i)$

6. Divide.  $\frac{5 - 2i}{6 + i}$

8. What is the product of  $6i$  and  $5i$ ?

9. What is the product of the complex numbers  $(5+i)$  and  $(5-i)$ ?

- 10. Graph:  $5 - 2i$
- 11. Graph:  $-1 + 4i$
- 12. Graph:  $-5i$
- 13. Graph:  $6 + 4i$



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