

NAME: _____

P.I. A2.N.9: Perform arithmetic operations on complex numbers and write the answer in the form $a+bi$

Simplify:

5. $(-3+8i) + (-9+7i)$

Simplify:

1. $(7+i) + (-4-2i)$

[A] $3-i$

[B] $11+3i$

[C] $3+i$

[D] $-26-18i$

6. $(-2+7i) + (-3+4i)$

2. $(5+9i) + (6+3i)$

[A] $11-12i$

[B] $3+69i$

[C] $11+12i$

[D] $-1+6i$

7. $(-9-8i) - (3+3i)$

8. $3i^2 - 4i^4 + 5i^8 + 3$

3. $(5+4i) + (1+5i)$

[A] $6+9i$

[B] $4-i$

[C] $6-9i$

[D] $-15+29i$

9. $3i^6 - 5i^7 - 5i^2 - 4$

4. Which is equivalent to $9+2i - (6+4i)$?

[A] $3-2i^2$

[B] $3-6i$

[C] $15+6i$

[D] $3-2i$

10. $5i^4 + 3i^2 + 4i^7 - 4$

[1] A

[2] C

[3] A

[4] D

[5] $-12 + 15i$

[6] $-5 + 11i$

[7] $-12 - 11i$

[8] 1

[9] $-2 + 5i$

[10] $-2 - 4i$