### Lesson 11 Practice Problems

1. Which point represents the complex number $-3+2i$?
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	1. A
	2. B
	3. C
	4. D
1. Match each expression to an equivalent expression.
	1. $2i⋅8$
	2. $16i^{3}$
	3. $\left(2i\right)^{4}$
	4. $2i⋅8i$
	5. -16
	6. 16
	7. $-16i$
	8. $16i$
	9. Diego squared a number and got 4. Andre squared a different number and got 4. What were the numbers that Diego and Andre squared?
	10. Jada squared a number and got -4. Elena squared a different number and got -4. What were the numbers that Jada and Elena squared?
2. Find **all** solutions to each equation.
	1. $a^{2}=1$
	2. $b^{2}=13$
	3. $c^{2}=-9$
	4. $d^{2}=-5$
3. Find the exact solution(s) to each of these equations, or explain why there is no solution.
	1. $\sqrt[3]{a+2}=4$
	2. $\sqrt[3]{b}+5=4$
	3. $\sqrt[3]{c−1}−14=-4$
* (From Unit 3, Lesson 8.)
1. Explain how you know that $\sqrt{-1}$ is not a negative number.
* (From Unit 3, Lesson 10.)



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