

Topic: Complex Numbers

Graphing Complex Numbers



Watch (and take notes) the lecture called Graphing Complex Numbers.

Graph each expression. Label the real and imaginary axis. *If there are any problems you don't know how to do, you should probably do those before you attempt the Prove It problems.*

22. $-3 + 2i$

23. $3i$

24. $5 - i$

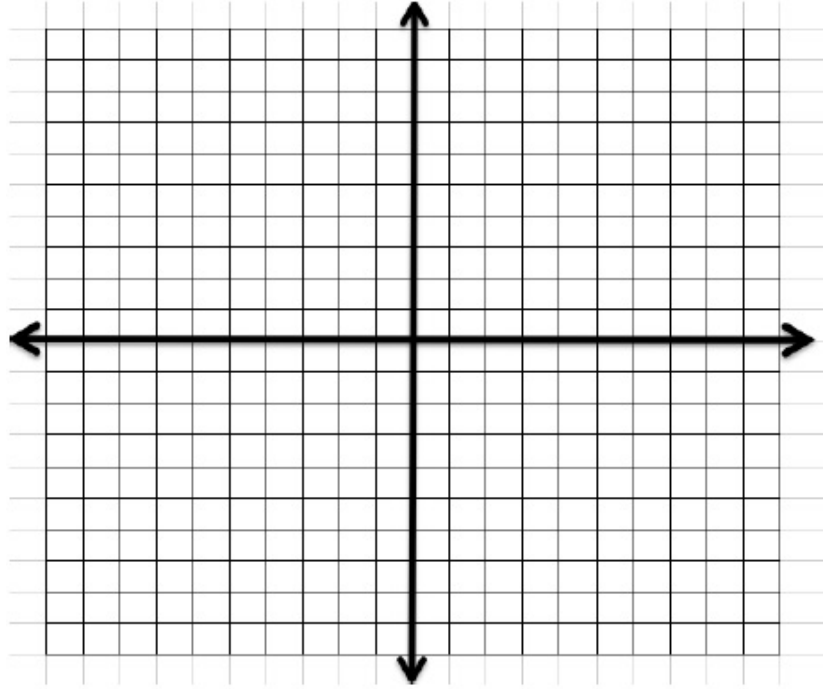
25. $3 + 5i$

26. $-4 - 4i$

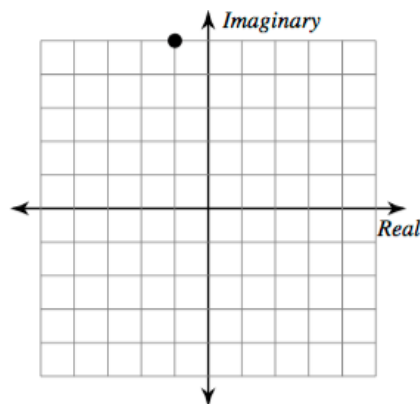
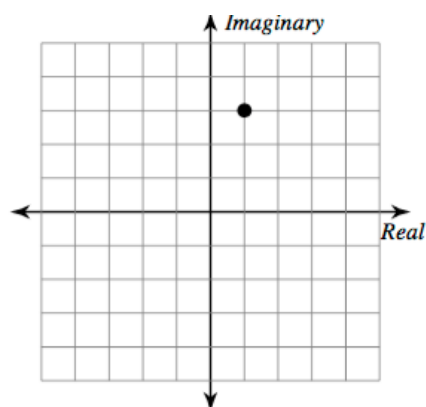
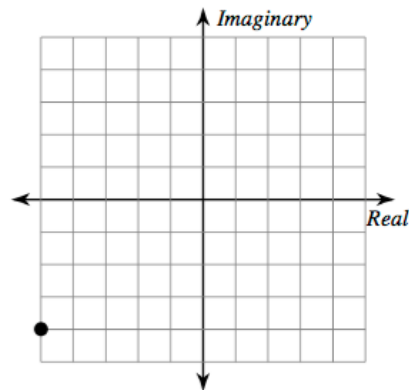
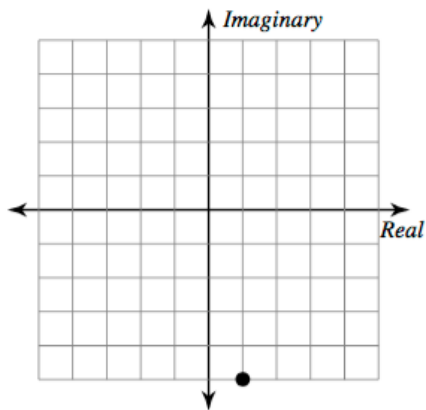
27. $5 + i$

28. $4 - 5i$

29. $-2i$



30.



Complex Numbers (Level 4)

- Choose a graph from the complex plane to be your solution. Write the solution on the line next to the problem.
- Create two functions, such that when performing the operation given, it results in the graph you selected.

31. $g(x) + h(x) =$ _____

32. $j(x) - k(x) =$ _____

33. $m(x) * n(x) =$ _____

