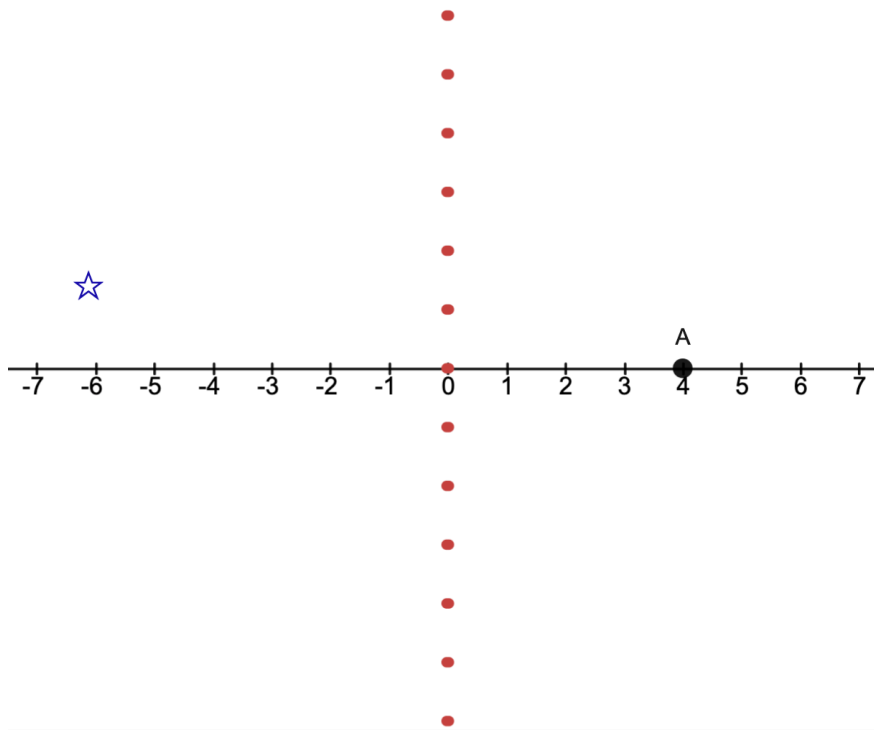


Recursive

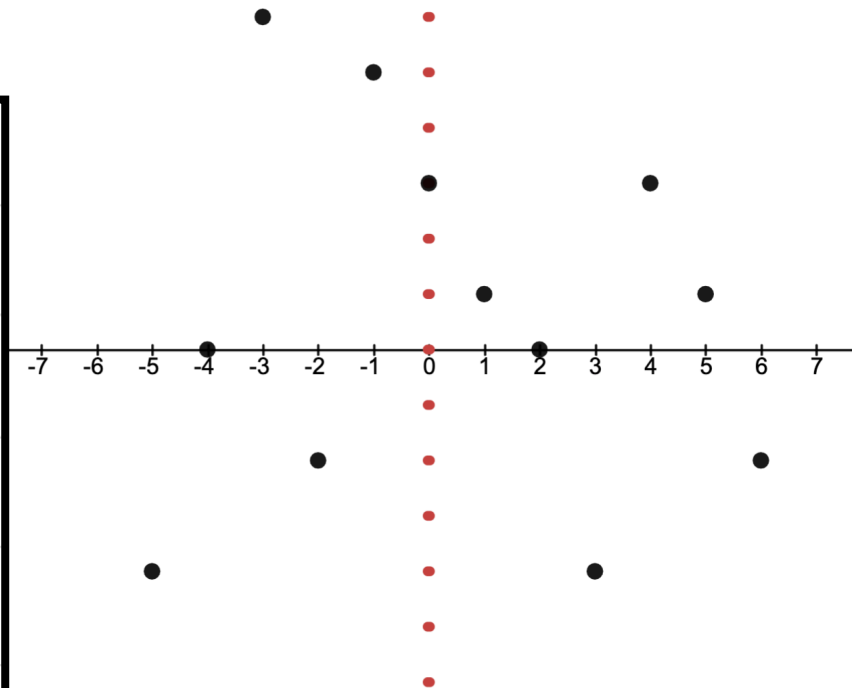
Follow the recipe to plot points B-N.



$A + 1 \rightarrow B$	$G \cdot (-i) \rightarrow H$
$B \cdot i \rightarrow C$	$H \cdot (-i) \rightarrow I$
$C \cdot i \rightarrow D$	$I + 2 \rightarrow J$
$D + 4 \rightarrow E$	$J \cdot i^3 \rightarrow K$
$E \cdot i^2 \rightarrow F$	$K \cdot (-i)^2 \rightarrow L$
$F - 5 \rightarrow G$	$L + 1 \rightarrow M$
	$M \cdot i \rightarrow N$

Explicit
Label points O-Z.

$O = 4i^2$	$U = 4i^7 - 5$
$P = 3i$	$V = 5i - 1$
$Q = 3i + 4$	$W = -6i^3 - 3$
$R = 2i^3 + 6$	$X = 1 \cdot i - 3 + 4$
$S = -3i^2 - 1$	$Y = 4(-i) + 5 - 2$
$T = -2i - 2$	$Z = 1 \cdot i + 7 - 2$



Simplify each expression into standard form.

1) $\sqrt{-9}$

2) $\sqrt{144}$

3) $\sqrt{64}$

4) $\sqrt{-100}$

5) $\sqrt{-25}$

6) $\sqrt{256}$

7) $8 + 8i - 4 - 5i$

8) $3 + 3i + 1 + 2i$

9) $3 \cdot i \cdot i + 7 \cdot i \cdot i + 30 \cdot i \cdot i \cdot i \cdot i$

10) $5 + 6i + 7i^2 + 8i^3 + 9i^4$

11) $5i^8 + 3i^{10} + 6i^{11}$

12) $(-6i)(-2 + 5i)$

13) $(8i)(-8i)$

14) $2(3 - 2i)$

15) $(8i)(-4i)(2i)$

16) $(8i)^3$

17) $(2 + 3i)(8 - 4i)$

18) $(3 + 6i)(4 + 6i)$

19) $6(5i)(8 - 7i)$

20) $(-5 + i)(5 - 8i)$

21) $3(2i)(-5 + 6i)$

22) $(-8 + 3i)^2$

23) $5 \cdot i \cdot i \cdot i \cdot i \cdot 3 \cdot i \cdot i$

24) $\sqrt{-16} \cdot \sqrt{-16}$

25) -----Answer Bank-----

$3i$ $6 - 4i$ 64 $2 - 6i$ 8 $5i$ $4 + 3i$ $-36 - 30i$ $10i$

$-24 + 42i$ 20 12 $210 + 240i$ 16 $-17 + 45i$ $7 - 2i$

$64i$ $30 + 12i$ $28 + 16i$ $4 + 5i$ -16 $-512i$ $55 - 48i$ -15
