

Practice Test Answer and Alignment Document

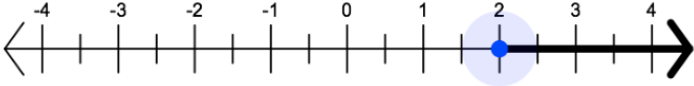
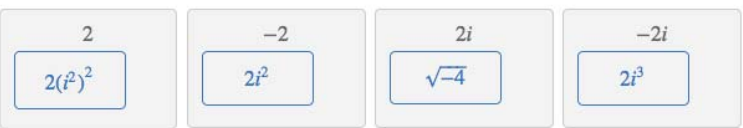
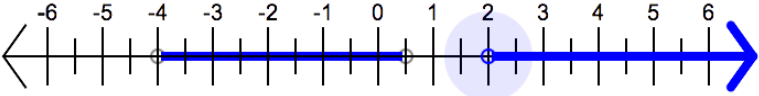
Mathematics – Algebra 2

Online

The following pages include the answer key for all machine-scored items, followed by the rubrics for the hand-scored items.

- The rubrics show sample student responses. Other valid methods for solving the problem can earn full credit unless a specific method is required by the item.
- In items where the scores are awarded for full and partial credit, the definition of partial credit will be confirmed during range-finding (reviewing sets of real student work).
- If students make a computation error, they can still earn points for reasoning or modeling.

Item Number	Answer Key	Evidence Statement Key	Integrated Course Alignment																
1.	3	A-APR.2	3																
2.	Part A: $h = 4$, $k = 5$ Part B: 7	A-Int.1	3																
3.	39	A-REI.2	3																
4.	<table border="1" style="width: 100%; text-align: center;"> <tr> <td></td> <td>$8 - 2i$</td> <td>3</td> <td>i</td> </tr> <tr> <td>$8 + 2i$</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>$5i$</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>-4</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>		$8 - 2i$	3	i	$8 + 2i$	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	$5i$	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N-CN.2	2
	$8 - 2i$	3	i																
$8 + 2i$	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
$5i$	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																
-4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																
5.	D	N-RN.2	2																
6.	C	A-REI.4b-2	2																

7.		A-Int.1	3
8.	Part A: D Part B: B, C, E	A-SSE.2-6	3
9.		N-CN.1	2
10.	$a = 9$ $b = -3$ $c = 3 $ or $a = 9$ $b = 3$ $c = -3 $	A-SSE.2-3	3
11.	Part A: $A = -60, B = 75$ Part B: B, C, E, F	F-Int.1-2	none
12.	Product of greatest common factor and binomial : $x(1 - y^2)$ Complete factorization : $x(1 - y)(1 + y)$ or equivalent	A-SSE.2-6	3
13.	Part A: 8 Part B:  Part C: C Part D: B	F-IF.4-2	none
14.	Part A: see rubric Part B: see rubric	HS.D.CCR	3
15.	Part A: see rubric Part B: see rubric	HS.D.2-4	3