

Practice Test – Algebra 1 Answer Key

Item Number	Item Type	TEKS	Maximum Number of Points	Correct Answer(s)
1	Multiple Choice	1.11.B	1	B
2	Multiple Choice	2.3.E	1	D
3	Hot Spot	4.7.A	2	See Appendix 1.1
4	Multiple Choice	3.2.I	1	A
5	Multiple Choice	5.9.D	1	C
6	Multiple Choice	4.6.C	1	B
7	Inline Choice	5.9.B	2	B, B, A
8	Multiple Choice	1.11.A	1	A
9	Multiple Choice	2.3.B	1	A
10	Multiple Choice	3.5.B	1	C
11	Multiple Select	1.10.E	2	A, D
12	Multiple Choice	4.6.A	1	A
13	Multiple Choice	3.2.C	1	D
14	Multiple Choice	4.7.B	1	D
15	Drag and Drop	2.3.C	2	E, A
16	Multiple Choice	1.10.B	1	C
17	Multiple Choice	4.7.A	1	D
18	Multiple Choice	5.9.E	1	C
19	Text Entry	3.5.A	1	15
20	Multiple Choice	2.3.B	1	D
21	Multiple Choice	3.5.C	1	D
22	Multiple Choice	5.9.C	1	B
23	Hot Spot	2.3.D	2	See Appendix 1.2
24	Multiple Choice	1.12.C	1	B
25	Multiple Choice	3.2.A	1	C
26	Multiple Choice	1.10.E	1	B
27	Inline Choice	4.7.C	2	D, B
28	Multiple Choice	1.11.B	1	A
29	Multiple Choice	3.2.I	1	B
30	Multiple Choice	4.6.A	1	D
31	Match Table Grid	2.4.B	2	C, A
32	Multiple Choice	3.5.C	1	A
33	Multiple Choice	2.3.C	1	B
34	Multiple Choice	1.10.F	1	D
35	Equation Editor	3.2.E	1	See Appendix 1.3
36	Multiple Choice	2.3.B	1	C
37	Multiple Select	3.2.A	2	B, F

38	Multiple Choice	4.8.A	1	B
39	Equation Editor	5.9.C	1	See Appendix 1.4
40	Multiple Choice	2.3.D	1	C
41	Multiple Choice	2.3.A	1	B
42	Multiple Choice	4.8.A	1	C
43	Equation Editor	1.11.B	1	See Appendix 1.5
44	Multiple Choice	3.2.C	1	A
45	Multiple Choice	4.6.B	1	B
46	Multiple Choice	3.2.G	1	D
47	Multiple Choice	2.3.H	1	A
48	Drag and Drop	3.2.B	2	D, C
49	Multiple Choice	5.9.D	1	A
50	Multiple Choice	1.10.E	1	C

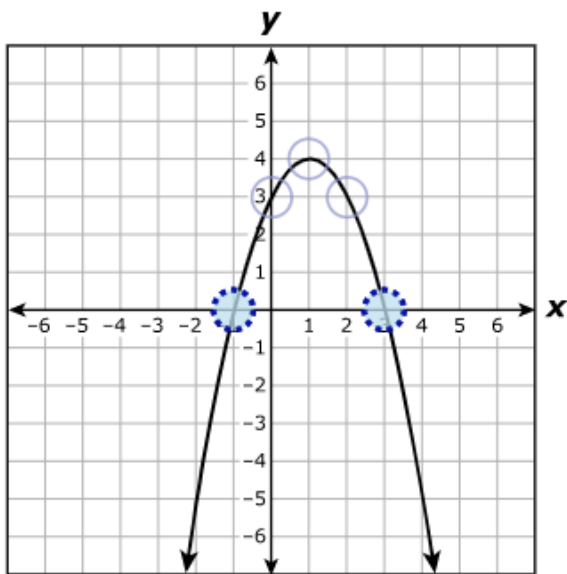
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Appendix

1.1

A graph of a quadratic function is shown. What are the x -intercepts of the function?

Select **TWO** correct answers.

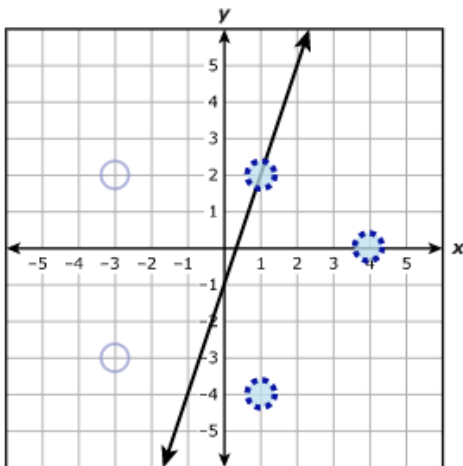


1.2

The graph of $3x - y = 1$ is shown on the grid.

Which points are in the solution set of $3x - y \geq 1$?

Select **THREE** correct answers.



1.3

The equation of line k is $y = -x + 17$. Line n is parallel to line k and passes through the point $(-5, 7)$.

Determine an equation that represents the relationship between x and y for line n .
Enter your answer in the space provided.

OR

1.4

A sample of a substance with an initial mass of 963 grams is decaying at a rate of 27% per hour.

Create a function that can be used to find y , the mass of the substance in grams remaining after x hours.

Enter your answer in the space provided.

1.5

In the expression shown, x is a value where the expression is defined.

$$(2x^8)(3x^{-1})^2$$

What is the simplest form of the expression? Write your answer in the form ax^b .
Enter your answer in the box provided.