STAAR Spring 2026 Algebra 1 Answer Key

Item Position	Item Type	TEKS Assessed	Maximum Number of Points	Correct Answer(s)	Reporting Category	Readiness or Supporting
1	Multiple Choice	A1.2.3.B	1	C	2	Readiness
2	Multiple Choice	A1.4.7.A	1	A	4	Readiness
3	Multiple Choice	A1.3.5.C	1	C	3	Readiness
4	Multiple Choice	A1.1.10.E	1	D	1	Readiness
5	Multiple Choice	A1.2.4.B	1	B	2	Supporting
6	Multiselect	A1.5.9.D	2	Second option, Third option See Appendix 1.1	5	Readiness
7	Multiple Choice	A1.3.2.I	1	D	3	Readiness
8	Multiple Choice	A1.4.7.B	1	C	4	Supporting
9	Graphing	A1.2.3.C	1	Line going through the points (0, 2) and (3, 0) See Appendix 1.2	2	Readiness
10	Multiple Choice	A1.3.2.H	1	C	3	Supporting
11	Drag and Drop	A1.4.8.A	2	–4.65, 0.65 See Appendix 1.3	4	Readiness
12	Multiple Choice	A1.1.10.C	1	A	1	Supporting
13	Inline Choice	A1.2.3.E	2	has the same steepness as, less than See Appendix 1.4	2	Supporting
14	Multiple Choice	A1.3.2.G	1	D	3	Supporting

15	Multiple Choice	A1.5.9.C	1	A	5	Readiness
16	Multiple Choice	A1.2.3.D	1	B	2	Readiness
17	Drag and Drop	A1.3.5.A	2	10, 24 See Appendix 1.5	3	Readiness
18	Multiple Choice	A1.4.6.A	1	A	4	Readiness
19	Drag and Drop	A1.3.5.B	2	$\geq$, $-\frac{3}{4}$ See Appendix 1.6	3	Supporting
20	Multiple Choice	A1.1.11.B	1	B	1	Readiness
21	Inline Choice	A1.4.7.C	1	−3, −2 See Appendix 1.7	4	Readiness
22	Multiple Choice	A1.1.12.A	1	C	1	Supporting
23	Multiple Choice	A1.3.2.A	1	B	3	Readiness
24	Multiple Choice	A1.2.3.A	1	C	2	Supporting
25	Multiple Choice	A1.1.12.C	1	D	1	Supporting
26	Multiple Choice	A1.2.3.B	1	A	2	Readiness
27	Multiple Choice	A1.5.9.E	1	C	5	Supporting
28	Multiple Choice	A1.4.7.A	1	B	4	Readiness
29	Multiple Choice	A1.3.2.C	1	D	3	Readiness
30	Drag and Drop	A1.1.11.B	2	x^4, y^3 See Appendix 1.8	1	Readiness
31	Multiple Choice	A1.4.7.C	1	C	4	Readiness
32	Multiple Choice	A1.5.9.D	1	B	5	Readiness
33	Multiple Choice	A1.4.6.C	1	A	4	Supporting
34	Multiple Choice	A1.5.9.C	1	B	5	Readiness
35	Multiple Choice	A1.1.12.B	1	A	1	Supporting

36	Multiple Choice	A1.3.5.A	1	D	3	Readiness
37	Multiple Choice	A1.1.10.E	1	A	1	Readiness
38	Multiple Choice	A1.3.5.C	1	B	3	Readiness
39	Graphing	A1.2.3.H	2	Solid line going through the points (0,2) and (3,4), dashed line through the points (−3,0) and (0, −3) with shading in the area that includes the point (0,0) See Appendix 1.9	2	Supporting
40	Multiple Choice	A1.3.2.C	1	D	3	Readiness
41	Multiple Choice	A1.4.8.A	1	B	4	Readiness
42	Match Table Grid	A1.2.3.D	2	In the Solution Set, In the Solution Set, In the Solution Set, Not in the Solution Set See Appendix 1.10	2	Readiness
43	Multiple Choice	A1.1.10.B	1	B	1	Supporting
44	Multiple Choice	A1.3.2.A	1	A	3	Readiness
45	Drag and Drop	A1.4.6.A	2	0, 3.2 See Appendix 1.11	4	Readiness
46	Multiple Choice	A1.3.2.E	1	C	3	Supporting
47	Multiple Choice	A1.2.4.A	1	B	2	Supporting

48	Multiple Choice	A1.5.9.A	1	D	5	Supporting
49	Multiple Choice	A1.2.3.C	1	C	2	Readiness
50	Multiple Choice	A1.3.2.I	1	B	3	Readiness

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Appendix

1.1

Which statements about the graph of $y = 30(0.8)^x$ are true?

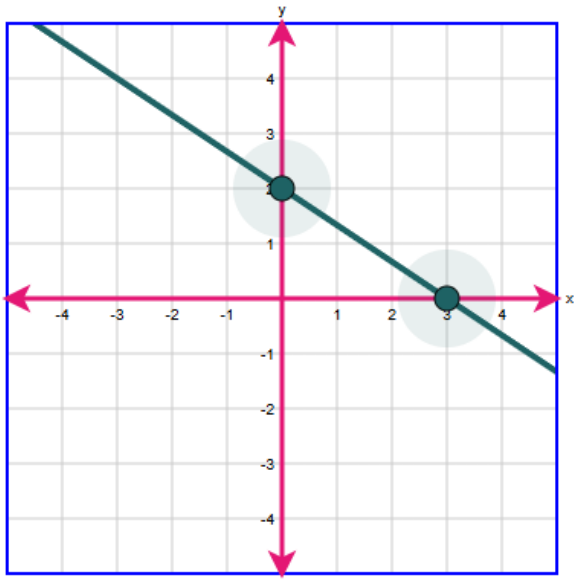
Select **TWO** correct answers.

- [ ] The x-intercept of the graph is (0, 30).
- [x] The y-intercept of the graph is (0, 30).
- [x] The graph of the function is decreasing for all values of x.
- [ ] The x-intercept of the graph is (0.8, 0).
- [ ] The y-intercept of the graph is (0.8, 0).
- [ ] The graph of the function is increasing for all values of x.

1.2

Graph the line represented by the equation $y = -\frac{2}{3}x + 2$.

Select two points on the coordinate grid. A line will connect the points.



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1.3

Which values are closest to the solutions of $2x^2 + 8x - 6 = 0$?

Move the correct answer to each box. Each answer may be used more than once. Not all answers will be used.

−9.29 | −4.65 | −1.29 | −0.65 | 0.65 | 1.29 | 4.65 | 9.29

The values of x are approximately [−4.65] and [0.65].

1.4

The graph of the function $f(x) = x$ was transformed to create the graph of the function $g(x) = f(x) - 3$. Complete the statements to best describe how the graphs of functions f and g are related.

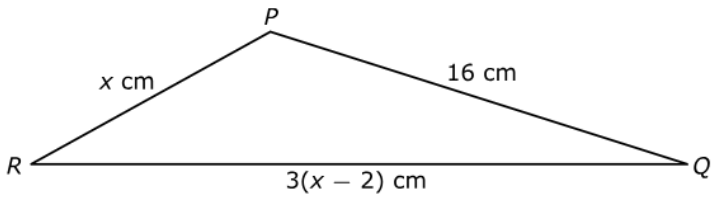
Choose the correct answer from each drop-down menu to complete the statements.

The graph of g [has the same steepness as] the graph of f.

The y-intercept of the graph of g is [less than] the y-intercept of the graph of f.

1.5

Triangle PQR and some of its dimensions in centimeters are shown.



The perimeter of triangle PQR is $5x$ centimeters. What are the lengths of $\overline{PR}$ and $\overline{RQ}$ in centimeters?

Move the correct answer to each box. Not all answers will be used.

5.5 | 10 | 10.5 | 22 | 24 | 60

$PR =$ [10] cm

$RQ =$ [24] cm

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1.6

What is the solution set to the inequality $-5m + 4 \leq 3(m + 3) + 1$?

Move the correct answer to each box. Not all answers will be used.

$\leq$ $\geq$ $-\frac{4}{3}$ $-\frac{3}{4}$ $\frac{3}{4}$ $\frac{4}{3}$

m $\geq$ $-\frac{3}{4}$

1.7

The graph of the quadratic parent function f was transformed to create the graph of $g(x) = 5f(x + 3) - 2$. What is the vertex of the graph of g?

Choose the correct answer from each drop-down menu to complete the ordered pair.

(−3 , −2)

1.8

Create an expression that is equivalent to $(x^{12}y^{-9})^{\frac{1}{3}}$ for all values of x and y where the expression is defined.

Move the correct answer to each box. Not all answers will be used.

x^3 x^4 x^{27} x^{36} y^3 y^4 y^{27} y^{36}

$$\frac{x^4}{y^3}$$

1.9

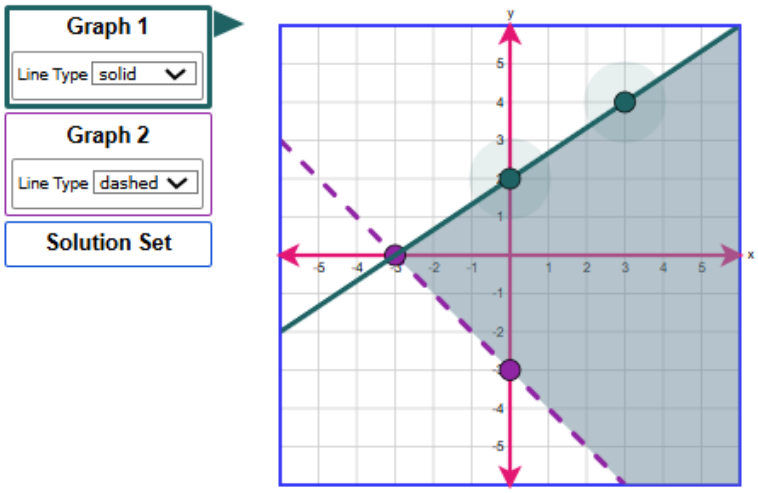
What is the solution set for the system of linear inequalities?

$$y \leq \frac{2}{3}x + 2$$

$$y > -x - 3$$

Graph the solution set of the system of linear inequalities in the coordinate plane.

- First, select the Graph 1 button to graph the line and choose the line style. To graph a line, select two points in the coordinate plane. A line will connect the points.
- Then select the Graph 2 button to graph the line and choose the line style.
- Then select the Solution Set button to select the desired region.



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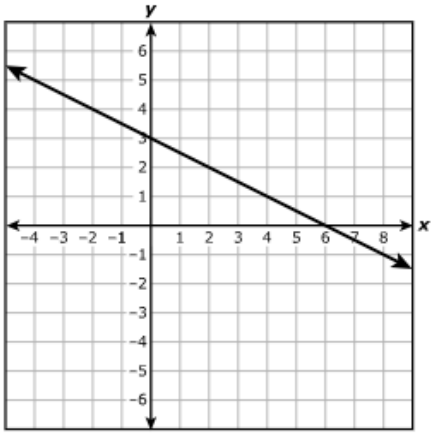
1.10

The graph of $y = -\frac{1}{2}x + 3$ is shown on the coordinate grid.



Determine whether each ordered pair in the table is in the solution set of $y \leq -\frac{1}{2}x + 3$.

Select the correct answer in each row.

Ordered Pair	In the Solution Set	Not in the Solution Set
(−2, −1)	☑	☐
(2, 2)	☑	☐
(3, 0)	☑	☐
(6, 1)	☐	☑

1.11

The height in feet of an object is a function of the time in seconds after the object was launched:

- The object was launched from an initial height of 10 feet.
- The object reached a maximum height of 46 feet after 1.5 seconds and hit the ground after 3.2 seconds.

For this situation, what is the domain of the function?

Move the correct answer to each box. Not all answers will be used.

0 1.5 3.2 10 46

The domain is the set of all real numbers greater than or equal to [0] and less than or equal to [3.2].