
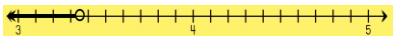


# Algebra 1 TEKS Companion Guide, second printing

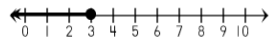
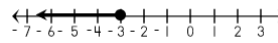
Errata Sheet, updated January 15, 2019

Page	Location	Current Text	Corrected Text
5	Q16, first column, second row of the table	Home value $4x^2 + 2 - 12$	Home value $4x^2 + x - 12$
6	Example 1, Step 2	...first factor, $5x$ , by both...	...first factor, $-7$ , by both...
16	Example 3, Step 1, bullet 2 and Step 2, bullet 2	$-72pq = -1 \cdot 2 \cdot 2 \cdot 2 \cdot 3 \cdot 3 \cdot p$	$-72pq = -1 \cdot 2 \cdot 2 \cdot 2 \cdot 3 \cdot 3 \cdot p \cdot q$
21	Example 3, Step 2	$z^2 - 121 = z^2 - 112$	$z^2 - 121 = z^2 - 11^2$
31	Q8, line 2	$4x^4yz^5$	$4x^4yz^5$
31	Q12, line 2	$bn$	$b^n$
32	Under the Not Functions graph	$y = (x - 3)^2 - 5$	$x = (y - 3)^2 - 5$
35	Set II mapping diagram, $x$ values	$2, 2, 4, 5$	$2, 3, 4, 5$
39	Example 3, Step 2	Substitute $x = 200$ into $p(x)$ .	Substitute $x = 15$ into $p(x)$ .
41	Geometric Sequence callout box	constant addend: 1.5	constant multiplier: 1.5
41	To the right of the second table.	$a_1 = 1.5; a_n = a_{n-1} + 3.5$	$a_1 = 1.5; a_n = a_{n-1} \cdot 3.5$
41	To the right of the second table, third line.	$a_n$	$a_n$
46	Example 2, Step 1, solved equation	$K = 2.5mv^2$	$K = \frac{1}{2}mv^2$
81	Q9, Choice G	$y = -2x + 1$ $x = \frac{1}{2}y + \frac{1}{2}$	$y = -2x + 1$ $x = -\frac{1}{2}y + \frac{1}{2}$
85	Example 2, The graph next to Step 2	Missing the point $E = (-12, 2)$	Add the point $E = (-12, 2)$
104	Example 3, Step 2	$m = \frac{\Delta x - \Delta y}{4} = \frac{5}{4}$	$m = \frac{\Delta y}{\Delta x} = \frac{5}{4}$
105	Q4, Table	$x$ -values: $-4, 0, 2, 3, 6$ $y$ -values: $2, 8, 11, 12.5, 17$	$x$ -values: $4, 6, 10, 12$ $y$ -values: $74, 86, 110, 122$
107	Example 2, Step 2	$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{8 - (-3)}{1.5 - 7} = \frac{11}{-5.5} = 2$	$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{8 - (-3)}{1.5 - 7} = \frac{11}{-5.5} = -2$
114	Example 1, Step 1	Determine the slope of line $m$ using the slope formula and	Determine the slope of line $k$ using the slope formula and

		the two points given in the graph.	the two points given in the graph.
120	Example 3, Step 3 answer	$y = \frac{1}{4}x + 5$	$y < \frac{1}{4}x + 5$
122	Lesson title	WRITING TWO-VARIABLE LINEAR INEQUALITIES	WRITING SYSTEMS OF LINEAR EQUATIONS
132	Example 1, Step 4	Represent the solution, $x > 3.35$ , on a number line. Plot 3.35 and then draw an arrow toward all values greater than 3.35. 	Represent the solution, $x < 3.35$ , on a number line. Plot 3.35 and then draw an arrow toward all values less than 3.35. 
144	Q7	... $f(t)$ , is a function of the number of seconds, $x$ , the rocket...	... $f(t)$ , is a function of the number of seconds, $t$ , the rocket...
147	Example 1, Step 5 answer	$p(x) = 1-4(x - 3)^2 - 5$	$p(x) = \frac{1}{4}(x - 3)^2 - 5$
147	Example 2, first sentence	Bernadette uses the function $c(x) = 0.5(x + 5)^2 + 2.3$ is used to predict....	Bernadette uses the function $c(x) = 0.5(x + 5)^2 + 2.3$ to predict....
159	Tell Me More, paragraph 4	The quadratic expression $8x^2 + 3x - 4$ factors to $(2x - 1)(4x + 5)$ .	The quadratic expression $8x^2 + 6x - 5$ factors to $(2x - 1)(4x + 5)$ .
172	Example 2, Step 3 answer	$(x - 2.5)^2 = 165$	$(x - 2.5)^2 = 41.25$
177	Step 4 of Example 1	$=300 = -16x^2$	$-300 = -16x^2$
193	Practice Q1 table, 4 <sup>th</sup> row of the 2 <sup>nd</sup> column	0.01	0.1
193	Practice Q2 table, 4 <sup>th</sup> row of the 2 <sup>nd</sup> column	$4\frac{3}{4}$	$6\frac{3}{4}$
203	Practice Q2	Each figure of made up of identical cubes.	Each figure is made up of identical cubes.

#### Teacher Manual

Page	Location	Current Text	Corrected Text
11	A.11B, Q11 answer	A	F
12	A.12E, Q1 answer	$y = \frac{5}{4}x - 6$	$y = \frac{5}{4}x + 6$
19	A.2I, Q9 answer	F	G

19	A.5A, You Try It, bullet 4	$x \approx 0.923$	$x \approx 0.93$
20	A.5B, Q7 answer		
20	A.5C, Q9 answer	B	C
20	A.6C, You Try It, bullet 1	$(-2, 0)$ and $(2, 0)$	$-2$ and $2$
22	A.8A, Q2 answer	$x = +8, -8$	$x = +8, -8$
23	A.9D, Q1 answer	$y = -3$	$y = 0$