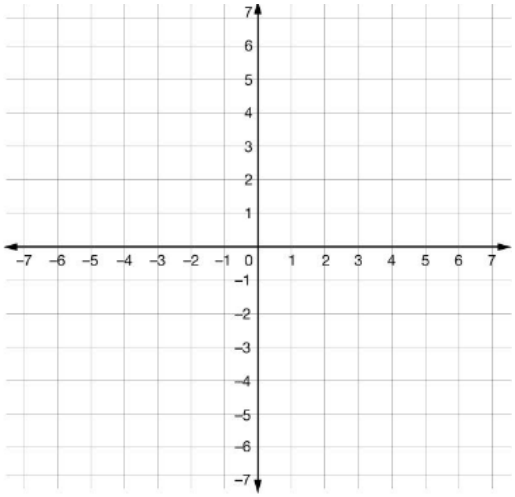
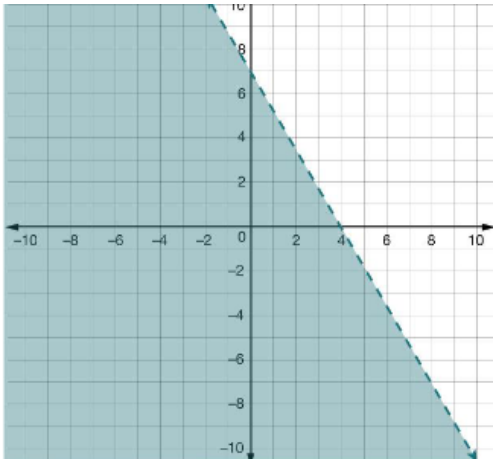
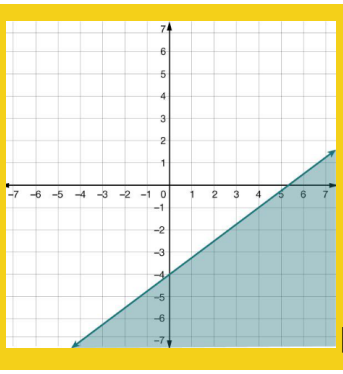
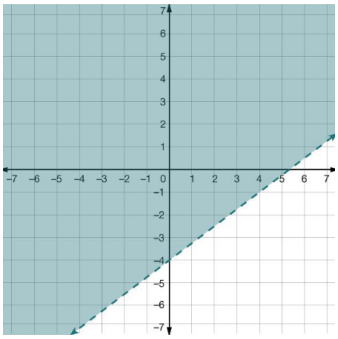
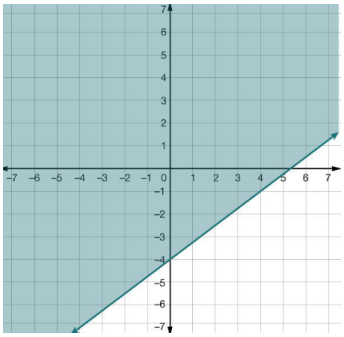
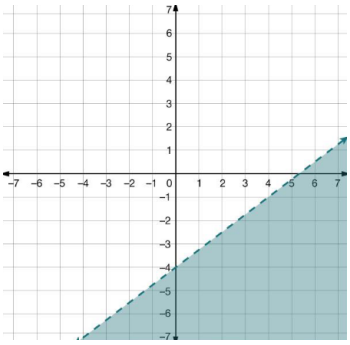
Unit 2 STAAR Review

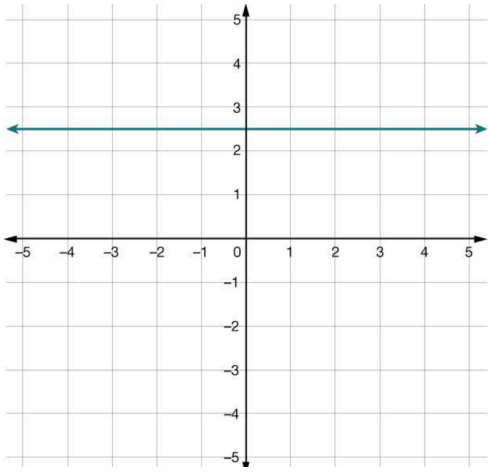
	Question	TEKS	Exam/ Question#	Unit
1	A customer paid a total of \$6.00 for 68 copies at a print shop. Some of the copies were black-and-white copies, and the rest were color copies. • Each black-and-white copy cost \$0.08. • Each color copy cost \$0.15. Which system of equations can be used to find b, the number of black-and-white copies, and c, the number of color copies that the customer paid for at the print shop? **A** $b + c = 6.00$ $0.08b + 0.15c = 68$ **B** $b + c = 68$ $0.15b + 0.08c = 6.00$ **C** $b + c = 6.00$ $0.15b + 0.08c = 68$ **D** $b + c = 68$ [correct answer] $0.08b + 0.15c = 6.00$	A2(I)	2021/ Question#15	2

2	What is the value of y in the solution to this system of equations? $\begin{cases} 6y + x = -59 \\ x = -2y + 9 \end{cases}$ **A** 8.5 **B** 17 [correct answer] **C** 43 **D** -12.5	A5(C)	2021/ Question#50	2
3	Which ordered pair is in the solution set of $8x + 16y > 32$?  What is the slope of the line represented by the table of values? **A** (0, 2 **B** (−3, 5) [correct answer] **C** (−1, 1) **D** (4, 0)	A3(D)	2021/ Question#5	2

4	Which inequality is best represented by the graph?  **A** $4x + 7y \leq 49$ **B** $4x + 7y < 49$ **C** $7x + 4y \leq 28$ **D** $7x + 4y < 28$ [correct answer]	A2(H)	2021/ Question#30	2

5	Which graph best represents the solution set of $y \leq \frac{3}{4}x - 4$? **A**  [correct answer] **B**  **C**  **D** 	A3(D)	2021/ Question#46	2

6	What is the solution to this equation? $-\ 4(2m\ -\ 7)\ =\ 3(52\ -\ 4m)$ **A** $m\ =\ 32$ [correct answer] **B** $m\ =\ 46$ **C** $m\ =-\ 6.\ 4$ **D** $m\ =-\ 40.\ 75$	A5(A)	2021/ Question#54	1
7	What is the slope of the graph of $y\ =\ 12x - 19$? **A** − 19 **B** $-\frac{12}{19}$ **C** $\frac{19}{12}$ **D** 12 [correct answer]	A3(A)	2019/ Question#1	1
8	The total distance in centimeters a toy robot moves varies directly with the time in seconds. The toy robot moves a total distance of 264 centimeters in 11 seconds. What is the time in seconds the toy robot moves when the total distance is 408 centimeters? **A** 24 s **B** 17 s [correct answer] **C** 13 s **D** 37 s	A2(D)	2019/ Question#54	1

9	What is the equation in standard form of the line that passes through the point (6, −1) and is parallel to the line represented by $8x + 3y = 15$? **A** $8x + 3y = -45$ **B** $8x - 3y = -51$ **C** $8x + 3y = 45$ [correct answer] **D** $8x - 3y = 51$	A2(E)	2021/ Question#19	1
10	Which statement best represents the equation of the line shown on the grid and its relationship to the x-axis?  **A** The equation of the line is y=2.5, and the line is perpendicular to the x-axis. **B** The equation of the line is x=2.5, and the line is parallel to the x-axis. **C** The equation of the line is x=2.5, and the line is perpendicular to the x-axis. **D** The equation of the line is y=2.5, and the line is parallel to the x-axis. [correct answer]	A2(G)	2021/ Question#39	1