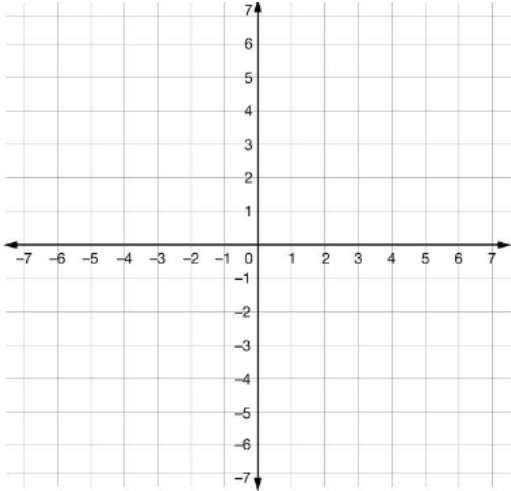


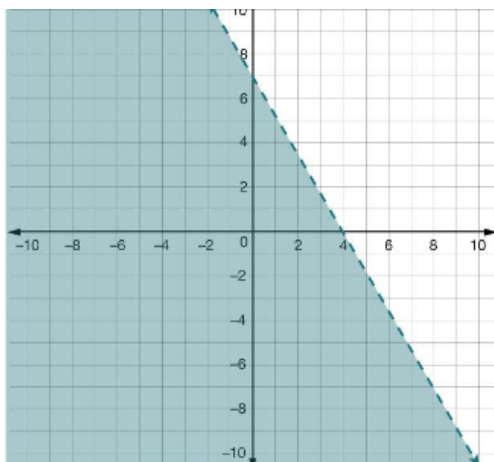
## Unit 2 STAAR Review

	Question	TEKS	Exam/ Question#	Unit
1	<p>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.</p> <ul style="list-style-type: none"> <li>Each black-and-white copy cost \$0.08.</li> <li>Each color copy cost \$0.15.</li> </ul> <p>Which system of equations can be used to find <math>b</math>, the number of black-and-white copies, and <math>c</math>, the number of color copies that the customer paid for at the print shop?</p> <p><b>A</b> <math>b + c = 6.00</math> <math>0.08b + 0.15c = 68</math></p> <p><b>B</b> <math>b + c = 68</math> <math>0.15b + 0.08c = 6.00</math></p> <p><b>C</b> <math>b + c = 6.00</math> <math>0.15b + 0.08c = 68</math></p> <p><b>D</b> <math>b + c = 68</math> [correct answer] <math>0.08b + 0.15c = 6.00</math></p>	A2(I)	2021/ Question#15	2

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

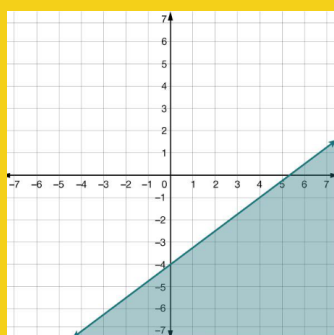
5

Which graph best represents the solution set of  
 $y \leq \frac{3}{4}x - 4$ ?

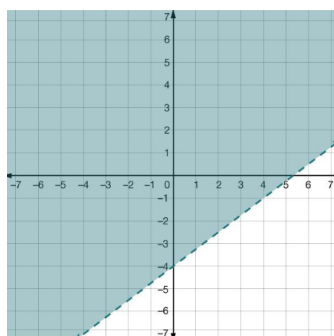
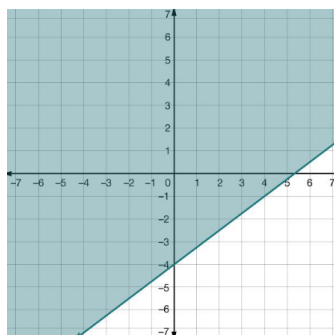
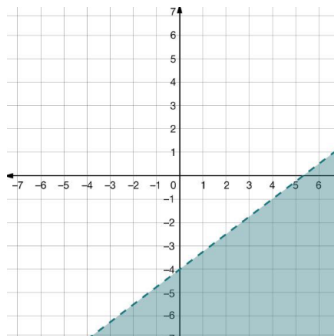
A3(D)

2021/  
Question#46

2

**A**

[correct answer]

**B****C****D**

6	<p>What is the solution to this equation?</p> $-4(2m - 7) = 3(52 - 4m)$ <p><b>A</b> <math>m = 32</math> [correct answer]</p> <p><b>B</b> <math>m = 46</math></p> <p><b>C</b> <math>m = -6.4</math></p> <p><b>D</b> <math>m = -40.75</math></p>	A5(A)	2021/ Question#54	1
7	<p>What is the slope of the graph of <math>y = 12x - 19</math>?</p> <p><b>A</b> <math>-19</math></p> <p><b>B</b> <math>-\frac{12}{19}</math></p> <p><b>C</b> <math>\frac{19}{12}</math></p> <p><b>D</b> <math>12</math> [correct answer]</p>	A3(A)	2019/ Question#1	1
8	<p>The total distance in centimeters a toy robot moves varies directly with the time in seconds.</p> <p>The toy robot moves a total distance of 264 centimeters in 11 seconds.</p> <p>What is the time in seconds the toy robot moves when the total distance is 408 centimeters?</p> <p><b>A</b> 24 s</p> <p><b>B</b> 17 s [correct answer]</p> <p><b>C</b> 13 s</p> <p><b>D</b> 37 s</p>	A2(D)	2019/ Question#54	1

9	<p>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 <math>8x + 3y = 15</math>?</p> <p><b>A</b> <math>8x + 3y = -45</math></p> <p><b>B</b> <math>8x - 3y = -51</math></p> <p><b>C</b> <math>8x + 3y = 45</math> [correct answer]</p> <p><b>D</b> <math>8x - 3y = 51</math></p>	A2(E)	2021/ Question#19	1
10	<p>Which statement best represents the equation of the line shown on the grid and its relationship to the x-axis?</p> <p><b>A</b> The equation of the line is <math>y=2.5</math>, and the line is perpendicular to the x-axis.</p> <p><b>B</b> The equation of the line is <math>x=2.5</math>, and the line is parallel to the x-axis.</p> <p><b>C</b> The equation of the line is <math>x=2.5</math>, and the line is perpendicular to the x-axis.</p> <p><b>D</b> The equation of the line is <math>y=2.5</math>, and the line is parallel to the x-axis. [correct answer]</p>	A2(G)	2021/ Question#39	1