

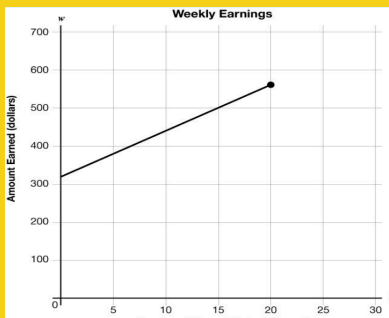


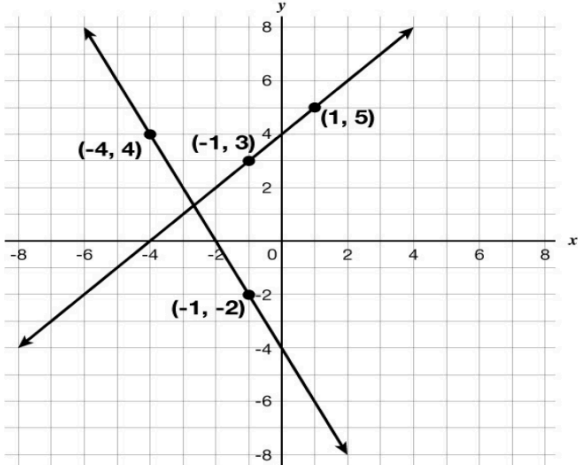
Unit 6 STAAR Review

Question	TEKS	Exam/ Question#	Unit
1 Which expression is a factored form of $2x^2 - 25x + 63$? A $(x - 9)(2x - 7)$ [correct answer] B $(x - 7)(2x - 9)$ C $(x + 7)(2x + 9)$ D $(x + 9)(2x + 7)$	A.10(E)	2021/ Question#18	6
2 Which expression is equivalent to $(\frac{3}{2}p + 1)(\frac{1}{2}p + 3)$? A $\frac{3}{4}p^2 + 5p + 3$ [correct answer] B $\frac{3}{4}p^2 + 10p + 3$ C $2p^2 + 3$ D $4p^2 + 3$	A.10(B)	2021/ Question#29	6
3 Which expression is equivalent to $9n^2 - 25$? A $(3n - 5)^2$ B $9(n - 4)^2$ C $(3n + 5)(3n - 5)$ [correct answer] D $9(n + 4)(n - 4)$	A.10(F)	2021/ Question#40	6

	Question	TEKS	Exam/ Question#	Unit
4	<p>Which expression is equivalent to $35m^2 - 63$?</p> <p>A $7m(5m - 9)$</p> <p>B $-7m(5m + 9)$</p> <p>C $7(5m^2 - 9)$ [correct answer]</p> <p>D $-7(5m^2 + 9)$</p>	A.10(D)	2021/ Question#48	6
5	<p>Which expression is equivalent to $(10 + 7r - r^2) + (-6r^2 - 18 + 5r)$?</p> <p>A $7r^2 + 2r - 8$</p> <p>B $-7r^2 + 12r - 8$ [correct answer]</p> <p>C $-7r^2 + 2r + 8$</p> <p>D $7r^2 + 12r + 8$</p>	A.10(A)	2019/ Question#16	6
6	<p>Which expression is equivalent to $(15a^0b^2c^{34})(3a^{16}b^{-29}c^0)$ for all values of a, b, and c where the expression is defined?</p> <p>A $\frac{18}{b^{58}}$</p> <p>B $\frac{45}{b^{58}}$</p> <p>C $\frac{45a^{16}c^{34}}{b^{27}}$ [correct answer]</p> <p>D $\frac{18a^{16}c^{34}}{b^{27}}$</p>	A.11(B)	2021/ Question#35	5

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<div>7</div> <div>The table represents some points on the graph of linear function f.</div> <table><tr><td>x</td><td>03</td><td>2</td><td>5</td><td>11</td></tr><tr><td>Volume of Coral (cubic centimeters)</td><td>-130</td><td>0</td><td>78</td><td>234</td></tr></table> <div>Which function represents f?</div> <div><div>A $f(x) = -26(2x - 1)$</div><div>B $f(x) = -2(26x - 1)$</div><div>C $f(x) = 13(x - 2)$</div><div>D $f(x) = 26(x - 2)$ [correct answer]</div></div>	x	03	2	5	11	Volume of Coral (cubic centimeters)	-130	0	78	234	A.2(C)	2021/ Question#44	4
x	03	2	5	11									
Volume of Coral (cubic centimeters)	-130	0	78	234									
<div>8</div> <div>A lifeguard earns \$320 per week for working 40 hours plus \$12 per hour worked over 40 hours. A lifeguard can work a maximum of 60 hours per week.</div> <div>Which graph best represents the lifeguard's weekly earnings in dollars for working h hours over 40?</div> <div>A</div> <div></div>	A.3(C)	2017/ Question#12	3										

Question	TEKS	Exam/ Question#	Unit
<p>B</p>  <p>C</p>  <p>D</p>  <p>[correct answer]</p>			

	Question	TEKS	Exam/ Question#	Unit
9	<p>A system of equations is graphed on the grid.</p>  <p>Which system of equations does the graph represent?</p> <p>A $y = x + 4$[correct answer] $y = -2x - 4$</p> <p>B $y = -x - 4$ $y = 2x - 2$</p> <p>C $y = x - 4$ $y = -2x - 2$</p> <p>D $y = -x + 4$ $y = 2x - 4$</p>	A.2(I)	2019/ Question#30	2

	Question	TEKS	Exam/ Question#	Unit
10	<p>What is the equation in slope-intercept form of the line that crosses the x-axis at 36 and is perpendicular to the line represented by $y = -\frac{4}{9}x + 5$?</p> <p>A $y = \frac{4}{9}x - 16$</p> <p>B $y = \frac{9}{4}x + 81$</p> <p>C $y = \frac{4}{9}x + 16$</p> <p>D $y = \frac{9}{4}x - 81$ [correct answer]</p>	A.2(F)	2019/ Question#10	1