

[Click Here For User Guide](#)

PRAC ~ TIS Math ©

MENU Grade 9 Algebra

[Click Here For User Guide](#)

Domain 1 Review

Math Preparation Review

Domain 2 Review

Domain 3 Review

Domain 4 Review

Domain 5 Review

Practice Units

	<u>Item</u>	<u>Domain</u>	<u>TEKS</u>
1.	Add and Subtract Replacement Sets	1	A10A
2.	Add and Subtract Unknowns	1	A10A
3.	Add/Subtract Polynomials	1	A10A
4.	Add/Subtract Solve	1	A10A
5.	Associative Property	1	A10A
6.	Finding Unknowns	1	A10A
7.	Evaluate and Simplify	1	A10B
8.	Algebraic Expressions	1	A10B
9.	Commutative/Associative Properties	1	A10B
10.	Commutative?Associative Properties II	1	A10B
11.	Multiplying Polynomials	1	A10B, D
12.	Solving For Polynomials (Division)	1	A10C
13.	Factoring Polynomials	1	A10E, F
14.	Factoring Difference of Squares	1	A10F
15.	Expressions/Powers/Equations	1	A11A
16.	Solve in Lowest Radical Form	1	A11A
17.	Stopping Distance	1	A11A
18.	Finding Solutions/Exponents	1	A11B
19.	Defining Functions	1	A12A
20.	Evaluating Range and Domain	1	A12B
21.	Finding Sequence Values	1	A12C
22.	Writing Functions	1	A12D
23.	Mathematical and Scientific Formulas	1	A12E
24.	Calculating Rate of Change	2	A3B
25.	Rate of Change	2	A3B
26.	Key Features of a Function	2	A3A, C
27.	Graphing Linear Inequalities	2	A3F, H
28.	Systems of Equations	2	A3G
29.	Plotting Trend Lines	2	A4A
30.	Trend and Correlations	2	A4B
31.	Causation and Correlation	2	A4A, C
32.	Domain and Range	3	A2A

33.	Graphing Domain and Range	3	A2A
34.	Graphing Data From Tables	3	A2B
35.	Graphing Pass Through Points	3	A2B
36.	Graphing Pass Through Points II	3	A2B
37.	Solve (Add, Subtract, Divide)	3	A2B
38.	Solve Equations (Division)	3	A2B
39.	Solve for Unknown	3	A2B
40.	Tables Graphs Equations	3	A2B
41.	Writing Linear Equations Using Graphs	3	A2B
42.	Writing Equations/Expressions	3	A2B
43.	Writing Equations Using Data Points	3	A2B
44.	Writing and Solving Equations	3	A2B
45.	Equating Graphs and Tables	3	A2C
46.	Solving for Direct Variation I	3	A2C, D
47.	Solving for Direct Variation II	3	A2C, D
48.	Solving for Direct Variation III	3	A2C, D
49.	Proportional Relationships	3	A2D
50.	Constant Rates of Proportionality	3	A2E
51.	Graphing Parallel Lines	3	A2G
52.	Graphing Parallel Lines II	3	A2E
53.	Graphing Intersections From Equations	3	A2F
54.	Graphing Perpendicular Intersections	3	A2F
55.	Graphing 'x' and 'y' Equations	3	A2G
56.	Linear Inequalities in Two Variables I	3	A2H; A3D
57.	Linear Inequalities in Two Variables II	3	A2H; A3D
58.	Linear Inequalities in Two Variables III	3	A2H; A3D
59.	Linear Inequalities in Two Variables IV	3	A2H; A3D
60.	Graphing Systems of Two Linear Equations	3	A2I; A5C
61.	Graphing Systems of Two Linear Equations II	3	A2I; A5C
62.	Intersecting Lines	3	A2I
63.	Equivalent Fractions	3	A5A
64.	Evaluate and Solve	3	A5A
65.	Mixed Practice	3	A5A
66.	Mixed Problems with Equations	3	A5A
67.	Multiply and Add	3	A5A
68.	One Variable Equations	3	A5A
69.	Perimeter and Area	3	A5A
70.	Simplify and Evaluate	3	A5A
71.	Solving Variable Equations	3	A5A
72.	Solving Linear Equations/Inequalities	3	A5B
73.	Solving quadratic Functions and Equations	4	A3E; A6A; A7A, B, C; A8A

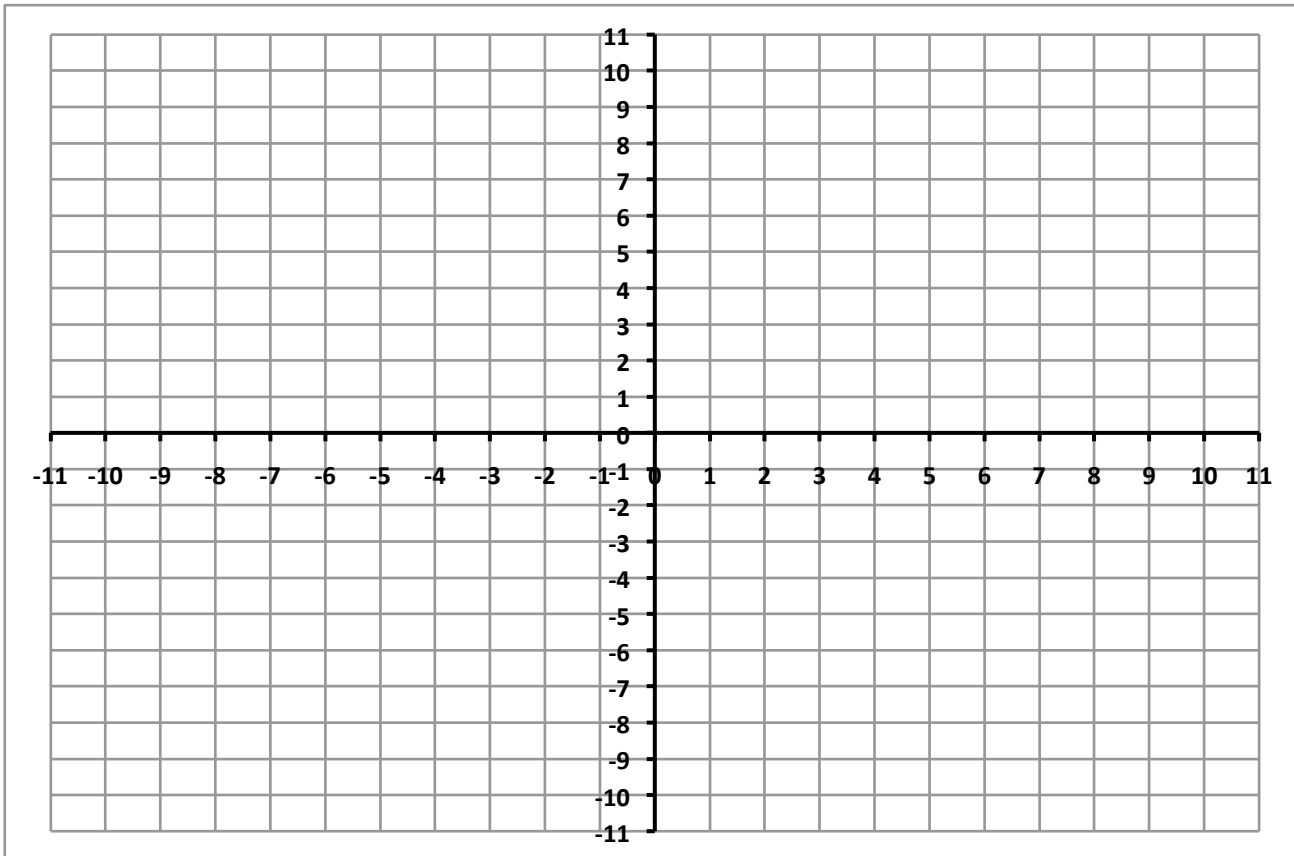
74.	Graphing Parabolas	4	A3E; A6A
75.	Quadratic Functions/Vertex Form	4	A6B, C
76.	Solving Quadratic Equations By Factoring	4	A8A, B
77.	Graphing Exponential Equations	5	A9A, D
78.	Solving Exponential Problems	5	A9B, C, E

Name: _____

Date: _____

S/N 879

Graph the inequality ($y \leq 5x + 3$) on the coordinate plane below and label it Line 1.



Graph the inequality ($y \geq -x + 4$) on the coordinate plane above and label it Line 2.

Answer the following questions.

1. What is the slope of line 1 in the inequality? _____
2. Is the slope of Line 1 positive or negative? _____
3. Should the inequality for Line 1 be shaded above or below the line? _____

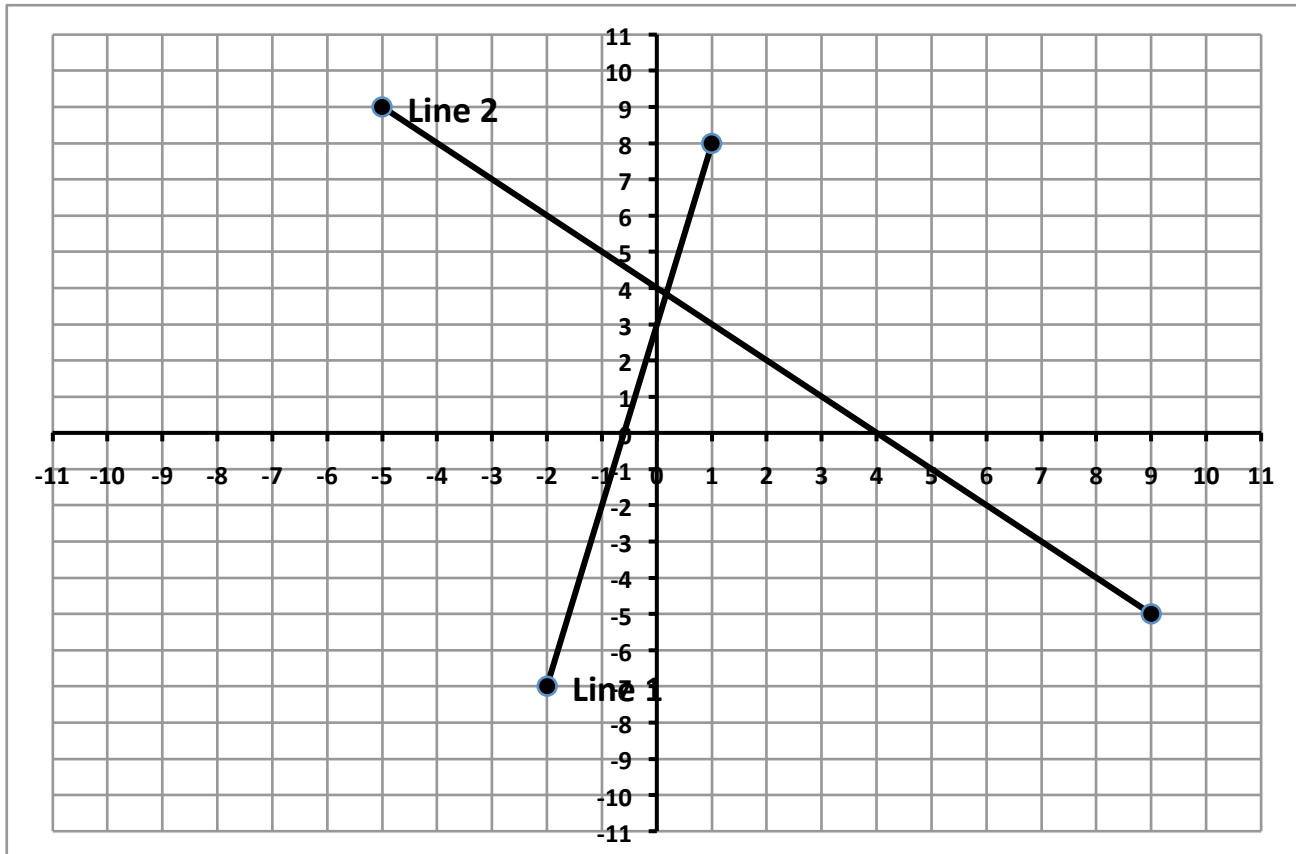
- 4. What is the slope of Line 2 in the inequality? _____
- 5. Should the inequality for Line 2 be shaded above or below the line? _____
- 6. Is the slope of Line 2 positive or negative? _____
- 7. Is point (2, 1) in both inequalities? _____
- 8. Is point (- 2, 5) in both inequalities? _____
- 9. Is point (4, 1) in both inequalities? _____
- 10. Is point (8, - 2) in both inequalities? _____

S/N 879

TEKS A3F,H

Domain 2

Graph the inequality ($y \leq 5x + 3$) on the coordinate plane below and label it Line 1.



Graph the inequality ($y \geq -x + 4$) on the coordinate plane above and label it Line 2.

Answer the following questions.

- What is the slope of line 1 in the inequality? 5
- Is the slope of Line 1 positive or negative? positive
- Should the inequality for Line 1 be shaded above or below the line? below

S/N 879

- | | | |
|-----|---------------------------------------------------------------------|-----------------|
| 4. | What is the slope of Line 2 in the inequality? | <u>- 1</u> |
| 5. | Should the inequality for Line 2 be shaded above or below the line? | <u>above</u> |
| 6. | Is the slope of Line 2 positive or negative? | <u>negative</u> |
| 7. | Is point (2, 1) in both inequalities? | <u>no</u> |
| 8. | Is point (- 2, 5) in both inequalities? | <u>no</u> |
| 9. | Is point (4, 1) in both inequalities? | <u>yes</u> |
| 10. | Is point (8, - 2) in both inequalities? | <u>yes</u> |



S/N 6243

Teacher Key

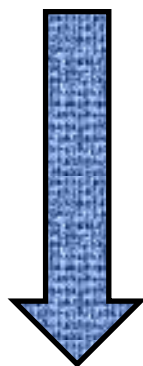
<u>Page Number</u>	<u>Unit Number</u>	<u>Answer</u>	<u>Domain</u>	<u>TX Codes</u>
1.	1.	C	1	A10E
1.	2.	A	1	A10E
2.	3.	B	1	A10E
3.	4.	D	1	A11A
4.	5.	C	1	A12A
5.	6.	A	1	A12C
6.	7.	D	1	A12B
7.	8.	C	1	A11B
8.	9.	B	1	A11B
9.	10.	C	1	A10A
10.	11.	B	1	A11B



Print Today's Date and Your Name Below:

Date : _____

Student Name : _____



Go To The Next Page When Told 

Begin 

1. Which of the expressions shown below is equivalent to $(x^2 - 7x + 10)$?

A $(x + 5)(x + 2)$

B $(x - 5)(x + 2)$

C $(x - 5)(x - 2)$

D $(x - 10)(x - 1)$



2. Which of the expressions shown below is equivalent to $(3x + 4)(2x - 3)$?

A $6x^2 - x - 12$

B $6x^2 - 17x - 12$

C $6x^2 + 17x - 12$

D $6x^2 + x + 12$





S/N 1632

Teacher Key

<u>Page Number</u>	<u>Unit Number</u>	<u>Answer</u>	<u>Domain</u>	<u>TX Codes</u>
1.	1.	C	2	A3D
2.	2.	C	1	A10E
2.	3.	C	1	A10E
3.	4.	B	3	A2G
3.	5.	B	1	A10E
4.	6.	D	4	A7A
5.	7.	D	4	A6B
5.	8.	C	2	A3E
6.	9.	A	4	A7C
6.	10.	C	1	A11A
7.	11.	A	4	A6C
8.	12.	B	2	A3D
9.	13.	B	2	A3E
10.	14.	B	2	A3E
10.	15.	A	5	A9D
11.	16.	C	1	A12A
12.	17.	A	2	A3C
13.	18.	C	2	A3F
14.	19.	D	4	A8A
15.	20.	D	1	A12C
15.	21.	A	3	A5C
16.	22.	A	5	A9D
17.	23.	B	3	A2A
18.	24.	C	3	A2I
19.	25.	A	4	A8A
19.	26.	C	3	A2I
20.	27.	C	2	A3A
20.	28.	B	3	A5C
21.	29.	C	4	A6A
22.	30.	D	2	A3C



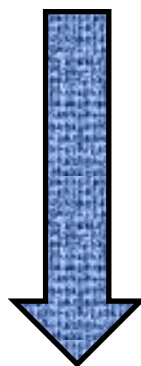
Print Today's Date and Your Name Below:

Date : _____

Student Name : _____

A blue banner with a scroll effect on the left and right sides. The word "Algebra" is written in the center in a large, white, sans-serif font with a slight drop shadow.

Algebra



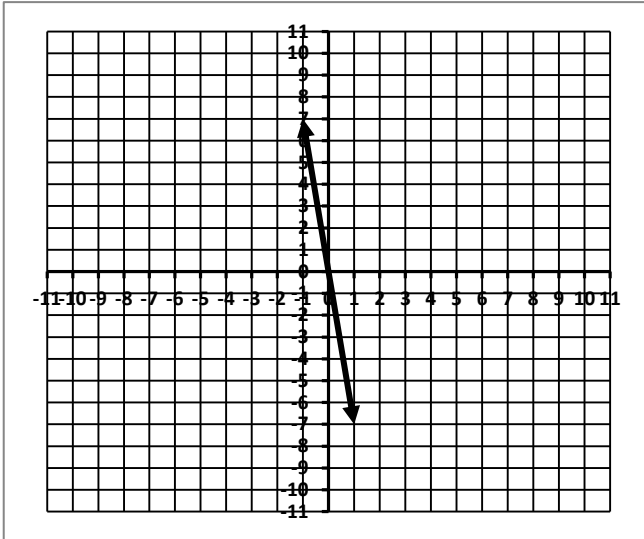
Go To The Next Page When Told 



Begin

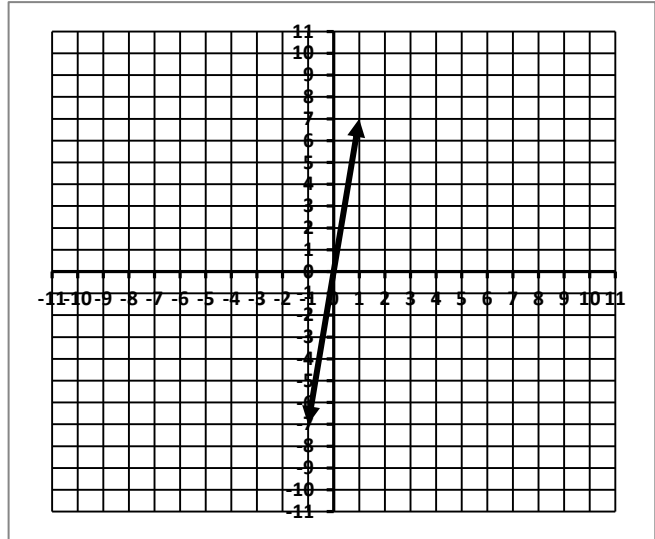
1. Which graph below represents the solution set of $(y \leq -7x)$?

A



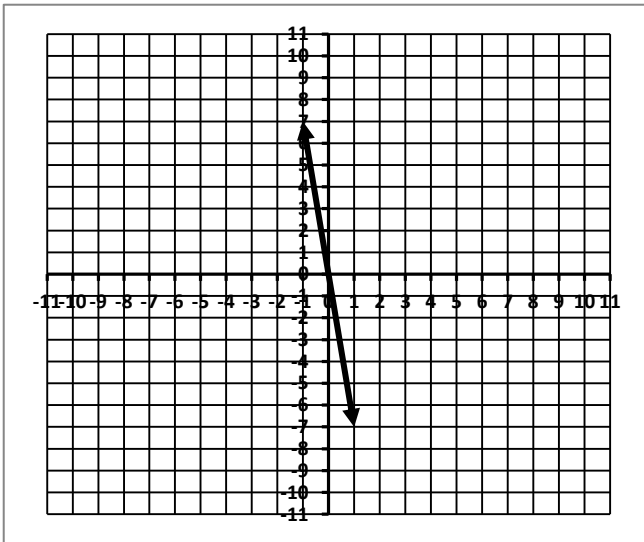
Shaded: up

B



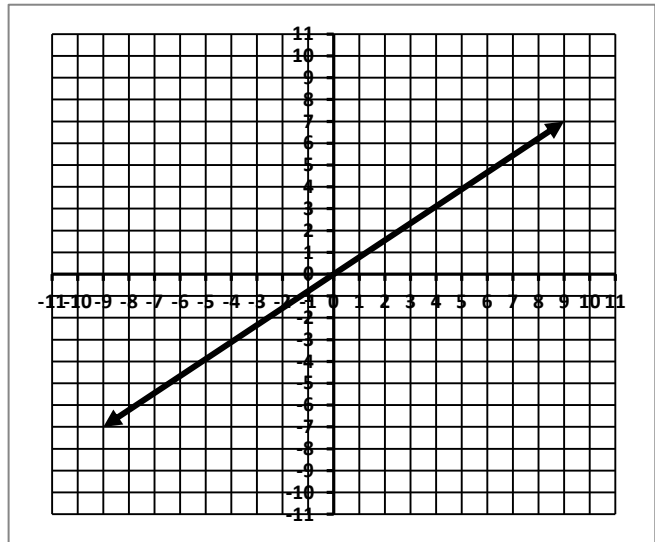
Shaded: down

C



Shaded: down

D



Shaded: up

A

B

C

D

Continue 

2. Which of the expressions shown below is equivalent to $(x^2 - 7x + 10)$?

A $(x + 5)(x + 2)$

B $(x - 5)(x + 2)$

C $(x - 5)(x - 2)$

D $(x - 10)(x - 1)$



3. Which of the expressions shown below is equivalent to $(8x - 3)(7x + 2)$?

A $56x^2 + 5x - 6$

B $56x^2 - 5x + 6$

C $56x^2 - 5x - 6$

D $56x^2 + 37x - 6$

