

MTM STAAR QUESTION BANK



40+ questions that reflect the new question types

33

Eddie is playing the game of Horseshoes in his backyard and throws a horseshoe towards a stake. The graph shows the height in feet above the ground as a quadratic function of x , the horizontal distance in feet of the horseshoe from Eddie.

What is the domain and range of the function for this situation?

Move the correct answer to each box. Each answer may be used more than once. Not all answers will be used.

☐ $0 \leq x \leq 16$
☐ $16 \leq x \leq 32$
☐ $0 \leq x \leq 32$
☐ $2.5 \leq y \leq 5$
☐ $0 \leq y \leq 5$
☐ $2.5 \leq y \leq 32$

Domain:

Range:

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new question types:

- ✓ equation editor
- ✓ drag and drop
- ✓ graphing
- ✓ hot spot
- ✓ number line
- ✓ match table grid
- ✓ inline choice
- ✓ multiselect

interactive
features are
for display
only

14

The table represents some points on the graph of a linear function. Which equations represent this relationship?

x	y
-7	25.5
-4	0
2	-51
8	-102
10	-119

Select TWO correct answers.

☐ $y - 51 = -8.5(x + 2)$
☐ $y = 8.5x - 4$
☐ $y - 25.5 = -8.5(x + 7)$
☐ $y + 102 = 8.5(x - 8)$
☐ $y = -8.5x - 34$

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familiarize your students with the new question types

MTM STAAR Question Bank TEACHER INSTRUCTIONS

ALG
1

WHAT'S INCLUDED

This Algebra 1 question bank was created to provide ready-to-go practice materials in order to review mathematical content and practice new question formats. The following files are included:

- **Question Bank:** This file contains a link to access the questions through Google Slides. The slides are designed to be projected in a whole class setting where the teacher and/or student can annotate on the slides.
- **Printable Questions:** This file includes the same practice questions as the question bank slides but is formatted as a half-sheet in order to provide a printable paper option for individual students.
- **Answer Keys:** This file is formatted with two practice questions per page with the correct answers shown. In situations where there is more than one possible answer, a sample answer is shown.

HOW TO USE

This resource is designed for gradual use with a classroom of students. For example, each question might serve as a useful warm-up and/or exit ticket to incorporate regularly in the classroom. A suggested routine is outlined below:

1. Print and copy a question and cut into half sheets for each student. Project the corresponding question on the board.
2. Allow students 3-5 minutes to work through the given question.
3. Ask for students to share solutions, steps and strategies as you annotate on the board. Provide any instruction and clarification as needed.

For more information and specifics on utilizing the Maneuvering the Middle® STAAR Question Bank, please reference the training modules below.

After clicking the link below, enter password MTMPD2023 when prompted.

<p>Module 1: what upcoming changes to the STAAR test I should know about?</p>  <p>A MANEUVERING THE MIDDLE® TRAINING</p>	<p>Module 2: what is the purpose of the MTM question bank?</p>  <p>A MANEUVERING THE MIDDLE® TRAINING</p>	<p>Module 3: how should I use the question bank in my classroom?</p>  <p>A MANEUVERING THE MIDDLE® TRAINING</p>
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Module 1:
Upcoming Changes to the
STAAR Test

Module 2:
The Purpose of the MTM
Question Bank

Module 3:
How to Use the Question
Bank in Your Classroom

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printable
questions are
formatted on
half sheets



Name _____ Date _____ Pd _____

11

The graph of $6x - 2y = -12$ is shown on the grid.

Which points are in the solution set of $6x - 2y \leq -12$?

Select **THREE** correct answers.

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Name _____ Date _____ Pd _____

11

The graph of $6x - 2y = -12$ is shown on the grid.

Which points are in the solution set of $6x - 2y \leq -12$?

Select **THREE** correct answers.

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answer keys
provided



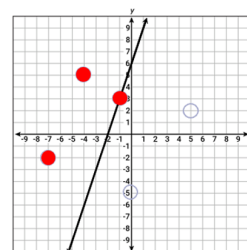
MTM STAAR Question Bank ALGEBRA 1 — ANSWER KEY

11 Answer Key (Hot Spot; A.3D)

The graph of $6x - 2y = -12$ is shown on the grid.

Which points are in the solution set of $6x - 2y \leq -12$?

Select **THREE** correct answers.



12 Answer Key (Graphing; A.3D)

What is the solution set for $3x - 4y > 16$?

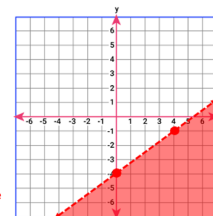
Graph the solution set of the linear inequality on the coordinate plane.

- First, select the Graph button to graph the line and choose the line style. To graph a line, select two points in the coordinate plane. A line will connect the points.
- Then select the Solution Set button to select the desired region.

Graph

Line Type

Solution Set



*Students may choose any 2 points on the graphed line shown. Two points have been selected as an example.

MTM STAAR QUESTION BANK



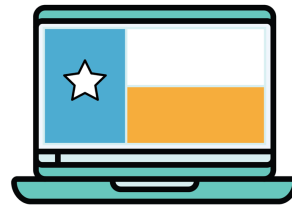
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3 training modules help you prepare your students and implement with success



MODULE
1

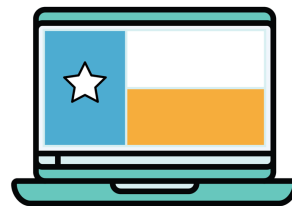
what upcoming changes to the STAAR test I should know about?



A MANEUVERING THE MIDDLE® TRAINING

MODULE
2

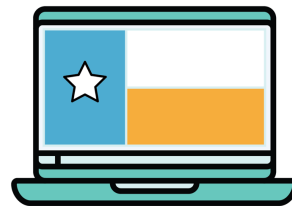
what is the purpose of the MTM question bank?



A MANEUVERING THE MIDDLE® TRAINING

MODULE
3

how should I use the question bank in my classroom?



A MANEUVERING THE MIDDLE® TRAINING

MTM STAAR QUESTION BANK



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table of contents include:

- ✓ TEKS standard
- ✓ question type
- ✓ corresponding MTM unit

MTM STAAR Question Bank			
TEACHER INSTRUCTIONS			
ALG 1			
TABLE OF CONTENTS			
The following questions are included in the Algebra 1 question bank. The standard assessed, question type utilized and corresponding Maneuvering the Middle® curriculum unit are noted.			
question	standard	question type	mtm unit
1	A.5A solve linear equations in one variable, including those for which the application of the distributive property is necessary and for which variables are included on both sides	Equation Editor	1: Equations and Inequalities
2	A.5A solve linear equations in one variable, including those for which the application of the distributive property is necessary and for which variables are included on both sides	Drag and Drop	1: Equations and Inequalities
3	A.5B* solve linear inequalities in one variable, including those for which the application of the distributive property is necessary and for which variables are included on both sides	Number Line	1: Equations and Inequalities
4	A.2A determine the domain and range of a linear function in mathematical problems; determine reasonable domain and range values for real-world situations, both continuous and discrete; and represent domain and range using inequalities	Equation Editor	2: Properties of Functions
5	A.2A determine the domain and range of a linear function in mathematical problems; determine reasonable domain and range values for real-world situations, both continuous and discrete; and represent domain and range using inequalities	Match Table Grid	2: Properties of Functions
6	A.3B calculate the rate of change of a linear function represented tabularly, graphically, or algebraically in context of mathematical and real-world problems	Inline Choice	3: Linear Functions
7	A.3B calculate the rate of change of a linear function represented tabularly, graphically, or algebraically in context of mathematical and real-world problems	Multiselect	3: Linear Functions
*This is a supporting standard which was included to highlight a specific question type.			
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