

Inequalities

Device From Port Charlotte Middle School Team

MAFS.7.EE.2.4 Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.

- a) Solve word problems leading to inequalities of the form $px+q>r$ or $px+q<r$, where p , q , and r are specific rational numbers. Graph the solution set of the inequality and interpret it in the context of the problem.

The Unit Organizer

4 BIGGER PICTURE

NAME _____
DATE _____

Algebraic Thinking

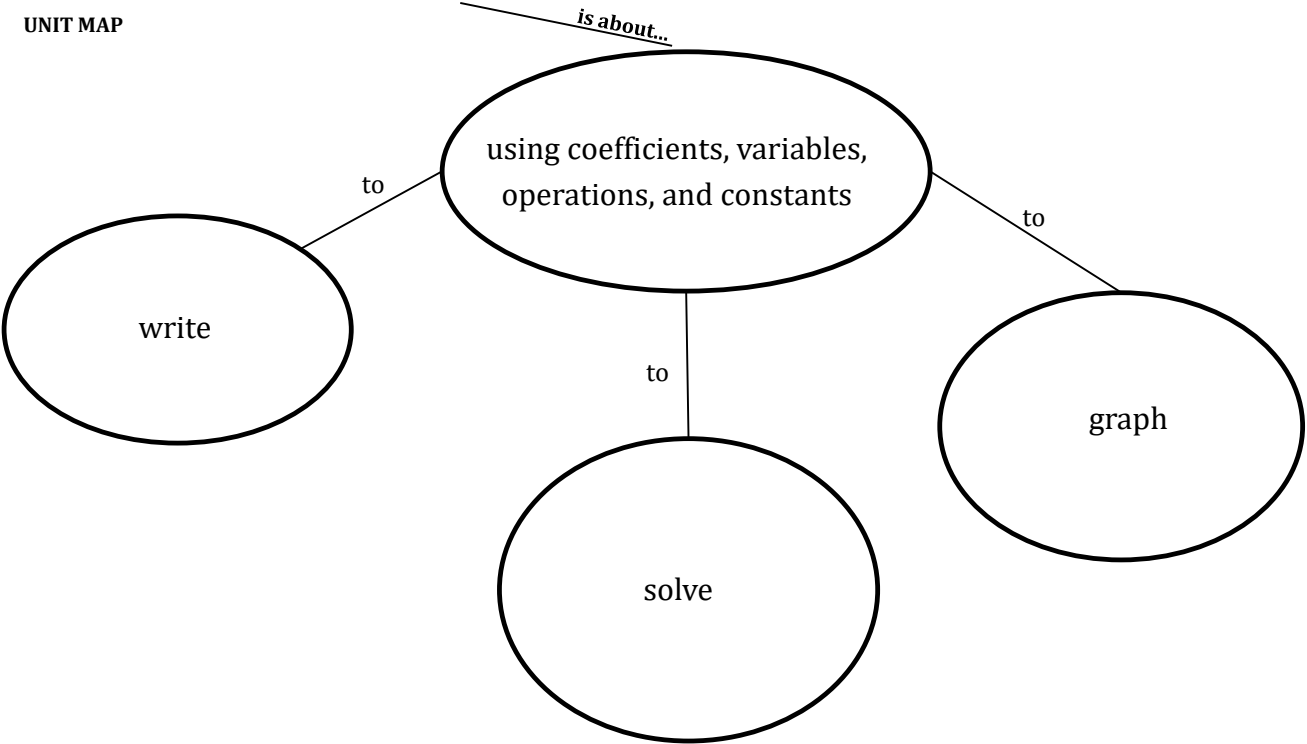
2 LAST UNIT /Experience
Data and Statistics

1 CURRENT UNIT
Inequalities

3 NEXT UNIT /Experience
FSA Prep

8 Vocabulary

5 UNIT MAP



	Less than
	Less than or equal to
	Greater than
	Greater than or equal to
	Open circle
	Closed circle

UNIT SELF-TEST
QUESTIONS

7

1. How do you determine which inequality symbol to use to represent a situation?
2. What are the similarities and differences when solving an inequality versus solving an equation?
3. How do you determine when to use an open circle versus a closed circle when graphing an inequality?
4. Why is part of the number line shaded when graphing the solution to an inequality?

- 1.
- 2.
- 3.
- 4.

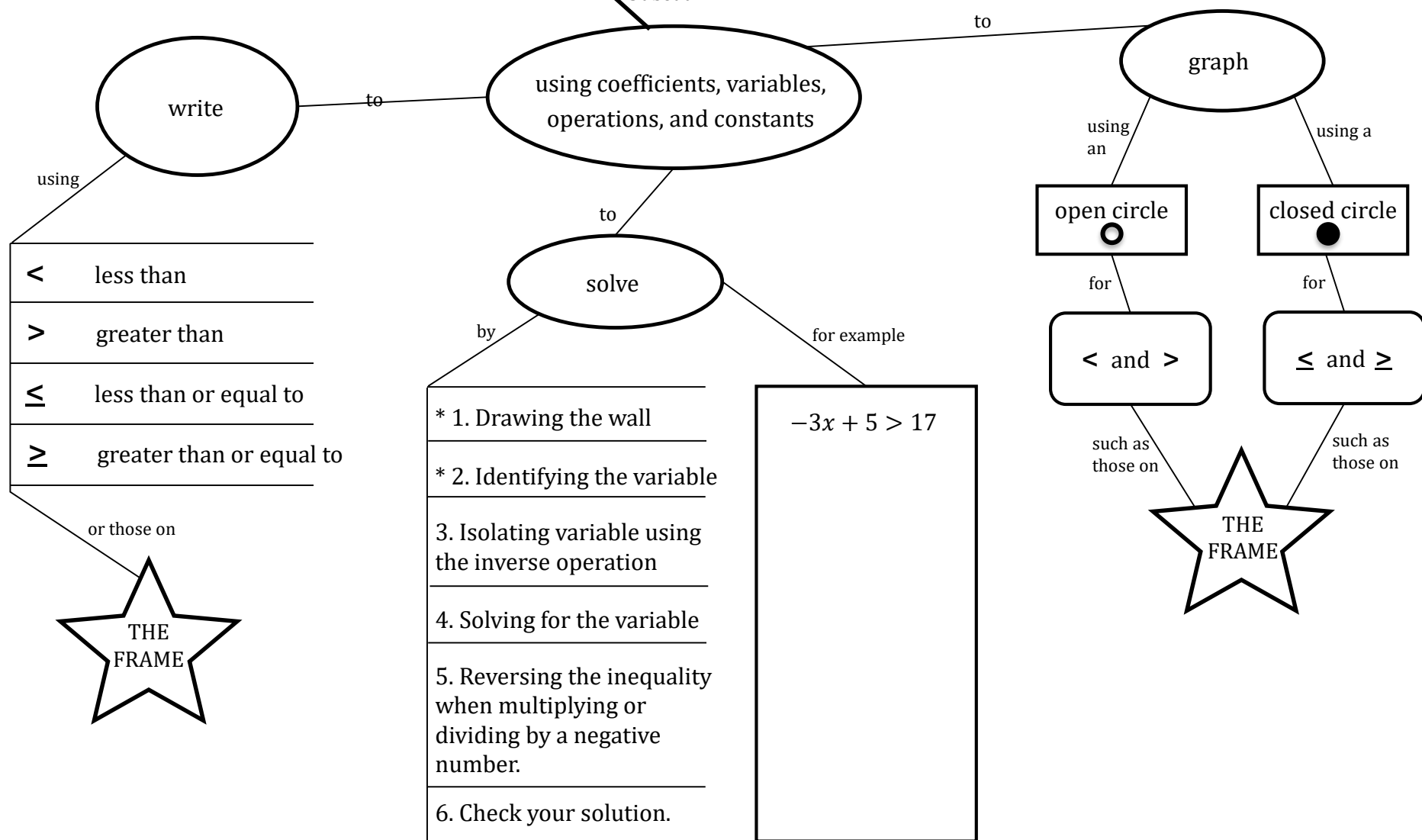
6 SELF
CHECK-IN

The Unit Organizer

CURRENT UNIT Inequalities

NAME _____
DATE _____

9 Expanded Unit Map



10

Rate
Yourself

1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐

11

Why?

The Unit Organizer

4 BIGGER PICTURE

NAME _____
DATE _____

Algebraic Thinking

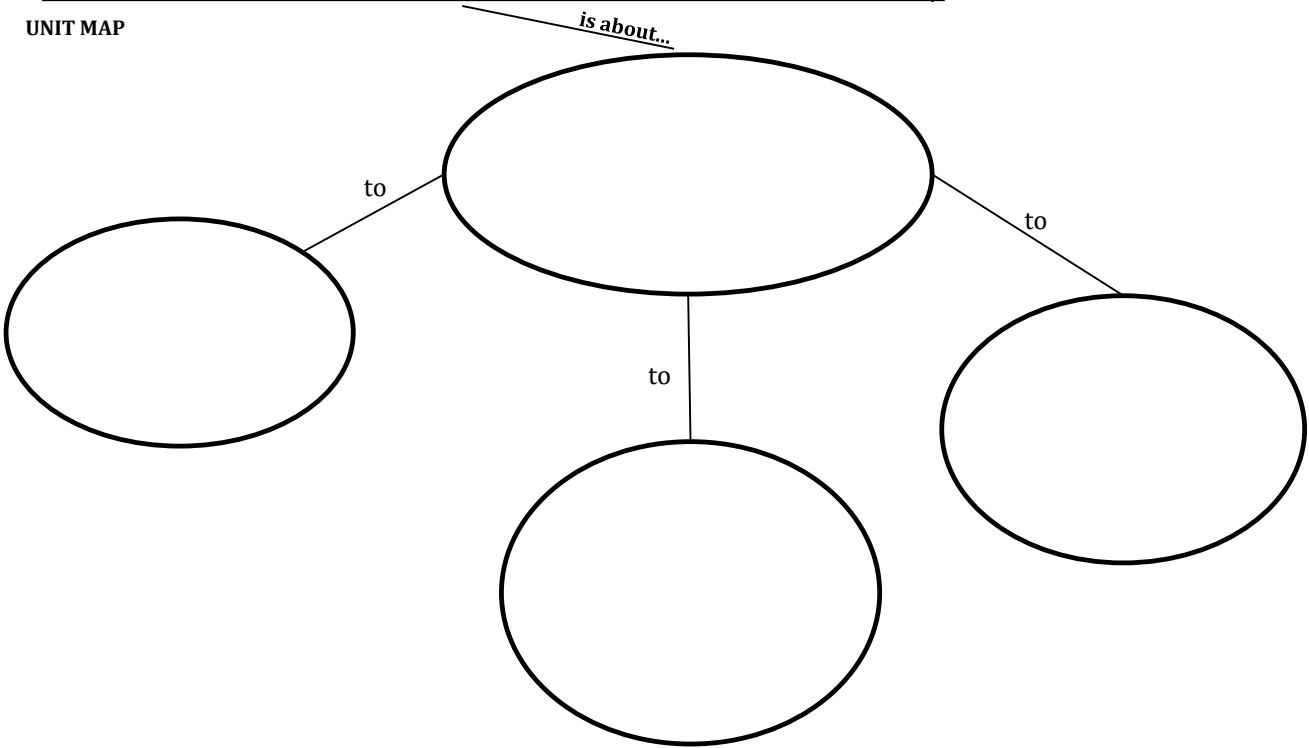
2 LAST UNIT /Experience

1 CURRENT UNIT

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6 SELF
CHECK-IN

The Unit Organizer

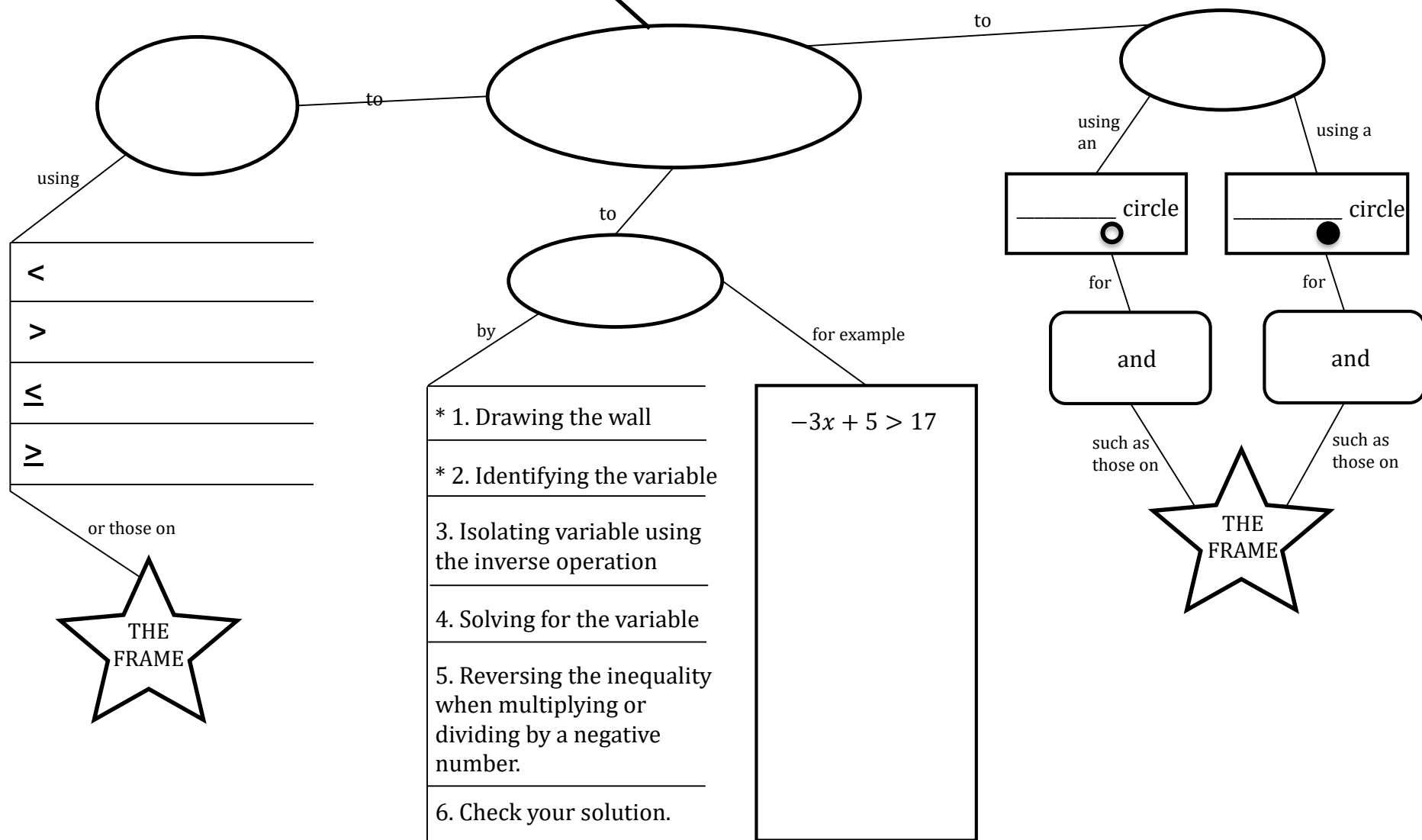
CURRENT UNIT

NAME _____

DATE _____

9

Expanded Unit Map



10

Rate Yourself

1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐

11

Why?