

Math 9A LG 10

LINEAR INEQUALITIES:

Not all things are created equally! Inequalities play an important role in mathematics and in this learning guide you will learn how to represent and solve them.

LEARNING GUIDE EXPECTATIONS:

On the completion of this learning guide you will be able to:

- 1) explain and illustrate strategies to solve linear inequalities.



EVALUATION:

You are ready to progress to the next learning guide when you can demonstrate your understanding of the above expectations. Please refer to your Mathematics 9 Marks Record Sheet to determine the assessment.



RESOURCES NEEDED:



Math Links 9 Text

LEARNING ACTIVITIES:



Expectation #1: Explain and illustrate strategies to solve linear inequalities.



1. In your math journal, complete the journal entry for LG 10 Expectation 1 Part A (Representing Inequalities).



2. In the Math Links 9 text, work through Example 1 on pages 342 - 343. Now complete #5, 6 on page 347.
3. In the Math Links 9 text, work through Example 2 on pages 343-344. Now complete # 9, 11 on page 347.
4. In the Math Links 9 text, work through Example 3 on pages 345. Now complete #13, 15, 16, 18, 20 on pages 347 - 348.



5. In the math journal, complete the journal entry for LG 10 Expectation 1 Part B (Solving Inequalities).



6. In the Math Links 9 text, work through Example 1 Method 2 on page 352 -353. Now complete #5, 7 on pages 357.

7. In the Math Links 9 text, work through Example 2 on pages 353 – 354. Now complete #9, 12 on page 357.

8. In the Math Links 9 text, work through Example 3 on pages 355. Now complete #14, 15 on page 358.



9. In the Math Links 9 text, work through Example 1(a) on page 361. Now complete #3 on page 365.

10. In the Math Links 9 text, work through Example 1(b and c) on pages 362-363. Now complete #6 on page 365

11. In the Math Links 9 text, work through Example 2 on pages 363-364. Now complete #9, 12 on page 365-367.

REVIEW AND CHALLENGE



1. In the Math Links 9 text, complete Ch 9 Review pages 368-369 #1-10, 12, 14, 17 &19.

2. In the Math Links 9 text, complete Chapter 9 Practice Test, pages 370-371 #1-11.