

# High School Math: Tying it all Together with Critical Thinking

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## I. INTRODUCTION

- A. Background
- B. Common Core (again!)
- C. Definition of critical thinking
  - 1.
  - 2.
  - 3.
  - 4.
  - 5.
- D. Counterpoints
  - 1.
  - 2.
  - 3.
- E. Attitudes and prevailing philosophies
  - 1.
  - 2.
  - 3.
  - 4.

## **II. QUALITIES OF CRITICAL THINKING**

A.

B.

C.

D.

E.

F.

G.

H.

I.

J.

K.

L.

### **III. PERSONAL EXPERIENCES IN CONTRAST**

#### **A. Difficult topics from various subjects**

1.

2.

3.

4.

5.

#### **B. Reasons for difficulty**

1.

2.

3.

4.

5.

### **IV. EXAMPLES OF CRITICAL THINKING in Mathematics**

#### **A. Multiplication of Fractions**

#### **B. Addition of Vectors**

### **V. SO, WHAT IS CRITICAL THINKING?**