



# Hot Seat

## Unit 3

# Rules

- No talking
- Student in back works question on index card and passes it up to next student when done.
- If the next student agrees they pass it up. If they disagree they pass it back where it came from.
- Everyone must show their work at the end of the game.

# Points

- First group to turn in the correct index card will be awarded the most points. A point will be subtracted for the next team to turn in the correct index card and so on.
- -5 Points for talking at all.
- -5 Points for turning in incorrect index card.
- Team with most points at the end wins!

# Problem 1

**Simplify:**

$$\frac{2}{5x} + \frac{7}{5x}$$

## Problem 2

**Simplify:**

$$\frac{5t}{t^2 + 9} + \frac{3t}{t^2 + 9}$$

# Problem 3

**Simplify:**

$$\frac{4z - 3}{z + 7} + \frac{3z}{z + 7}$$



## Problem 4

**Simplify:**

$$\frac{12b}{b+5} - \frac{7b+8}{b+5}$$

# Problem 5

**Simplify:**

$$\frac{4}{3m} + \frac{5}{6m}$$



# Problem 6

**Simplify:**

$$\frac{3}{8x^2} - \frac{2}{5x}$$

# Problem 7

**Simplify:**

$$\frac{3}{p-1} - \frac{2}{p+2}$$

# Problem 8

**Simplify:**

$$\frac{5}{u-5} - \frac{3}{u-3}$$

# Problem 9

**Simplify:**

$$\frac{3j}{3j - 4} - \frac{j - 1}{j + 2}$$

# Problem 10

**Simplify:**

$$\frac{3c - 1}{6c - 1} - \frac{2c}{4c + 1}$$