EXCELSIOR HIGH SCHOOL

Mathematics **Grade: 9**

Algebra Worksheet 2

- **Solving Linear Equations with unknown on both sides**
- **Simplifying Fractional Expressions**

1. Solve for each unknown value:

a. $4x + 1 = 2x + 7$

b. $6y - 3 = 2y + 13$

c. $15 - x = 27 - 3x$

d. $8(x - 1) = 4(x + 3)$

e. $9(2x - 5) = 3(4x + 7)$

2. Simplify the following:

a. $\frac{x}{2} + \frac{3x}{5}$

b. $\frac{7x}{4} - \frac{5x}{6}$

c. $\frac{2}{3x} - \frac{5}{4x}$

d. $\frac{3x-4}{5} + \frac{5x+1}{4}$

e. $\frac{7m-2}{3} - \frac{2m+3}{2}$

LIVEWORKSHEETS