STANDARD II: The student will be able to solve equations and inequalities.

OBJECTIVE

1. Solve multi-step equations of first degree.

ELIGIBLE CONTENT

- One set of parentheses may be used.
- Finding the sum or difference of terms containing the same variable may be required.
- Adding or subtracting a variable to or from both sides of the equation may be required.
- The solution to the equation may be a fraction.
- Coefficients may be simple fractions.

> Tip:
>
> Follow the "Golden Rule of Equations"
>
> Mr. C.

SAMPLE ITEMS

1 Solve: $-2x - 7 = -x + 13$

- **A** -20
- **B** -6
- **C** -2
- **D** 20

2 Solve: $\dfrac{2x + 1}{3} = 5$

- **A** 2
- **B** 6
- **C** 7
- **D** 8

3 Solve: $\dfrac{x}{3} = \dfrac{x - 6}{4}$

- **A** -18
- **B** -6
- **C** 6
- **D** 24

4 Solve: $2(-x + 3) = 14$

- **A** -10
- **B** $-\dfrac{11}{2}$
- **C** -4
- **D** 4

5 Solve: $4x + 1 = 7$

A $\frac{7}{5}$

B $\frac{3}{2}$

C   2

D   24