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

OBJECTIVE

4. Solve multi-step inequalities of first degree.

ELIGIBLE CONTENT

- A negative coefficient may be used.

✸ inequalities: $<, >, \leq, \geq$

SAMPLE ITEMS

1 Solve: $3k - 7(k + 5) - 5 < 0$

   A $k < {}^-10$

   B $k > {}^-10$

   C $k < 0$

   D $k > 0$

2 Solve: $\frac{2}{3}x \geq {}^-4$

   A $x \geq {}^-\frac{8}{3}$

   B $x \leq {}^-\frac{8}{3}$

   C $x \geq {}^-6$

   D $x \leq {}^-6$

3 Solve: $3x + 5 < x - 3$

   A $x < {}^-4$

   B $x > {}^-4$

   C $x < 1$

   D $x > 1$

4 Solve: $4(x - 2) \geq {}^-2(3 - 3x)$

   A $x \geq {}^-1$

   B $x \leq {}^-1$

   C $x \geq 1$

   D $x \leq 1$