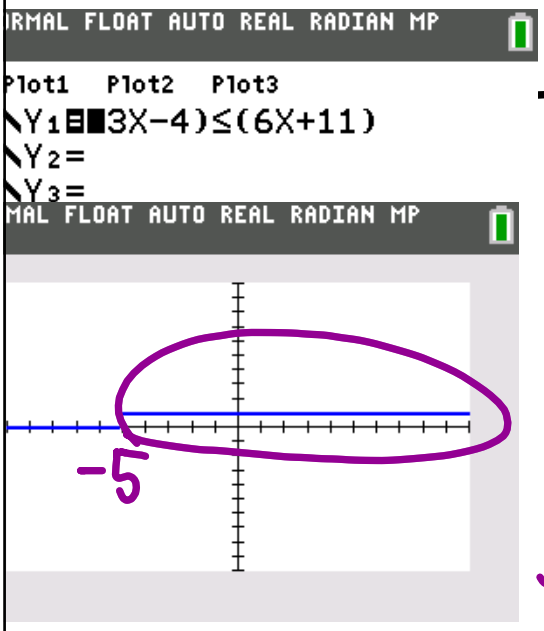
1. Which of the following gives all values of j that satisfy the inequality $3j - 4 \leq 6j + 11$?

A) $j \leq -5$

B) $j \geq -5$

C) $j \leq 5$

D) $j \geq 5$



$-3j \quad -3j$

$-4 \leq 3j + 11$

$-11 \quad -11$

$\frac{-15}{3} \leq \frac{3j}{3}$

$-5 \leq j$

$j \geq -5$

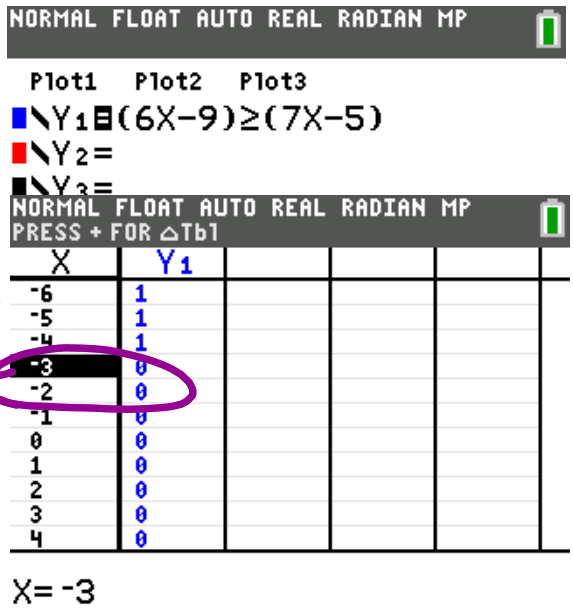
2. Which of the following numbers is not a solution to the inequality $6x - 9 \geq 7x - 5$?

A) -8

B) -5

C) -4

D) -2



3. To take the neighbor's children to the movies, Mellie charges \$5 for gas and \$8 per hour spent with the children. Ron charges \$3 for gas and \$8.50 per hour spent with the children. If h represents the number of hours spent with the children, what are all the values of h for which Ron's total charge is greater than Mellie's total charge?

A) $h < 3$

B) $3 < h \leq 4$

C) $4 \leq h < 5$

D) $h > 4$

$R = 8.5h + 3$

$M = 8h + 5$

$8h + 5 < 8.5h + 3$

$-3 \quad -3$

$8h + 2 < 8.5h$

$-8h \quad -8h$

$2 < .5h$

$\frac{2}{.5} < \frac{.5h}{.5}$

$4 < h$