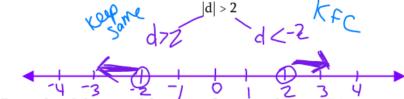


Think, Þair Share.

What possible answer(s) will make the following statement true?



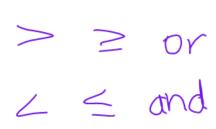
Example 1: Solving and Graphing Compound Inequalities

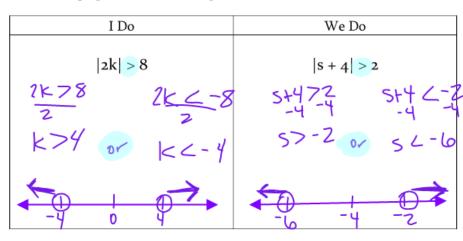
Solve and graph each of the inequalities.

| I Do | We Do |
|----------------------------|---------------------------|
| x > 3 X > 3 or X < - 3 | t > 10 => 10 or EC-10 |
| | \$ 10 h |

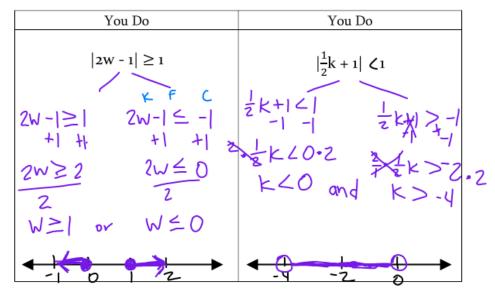
Example 2: Solving and Graphing Inequalities

Solve and graph each of the inequalities.





| We Do | You Do | |
|--------------------------------|--------------|----------|
| $ 3x-6 \ge 3$ | 2k + 3 < 5 | |
| $3x - 6 \ge 3$ $3x - 6 \le -3$ | 2K+325 2k+33 | ,5 ,9 |
| 3x≥9 3 <u>x≤3</u> | 2×62 2×2 | 2-18 |
| x23 or x<1 | kel and k | -4 |
| 01234 | -4-3-2-101 | |



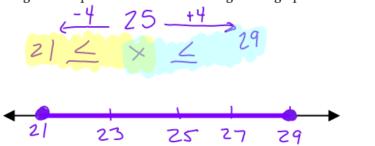
| You Do | You Do |
|--|---|
| $ t-2 \ge 1$ $t-2 \le 1$ $t-2 \le -1$ $t \ge 3$ or $t \le 1$ | $ 2t > 12$ $2 \neq > 12$ $2 \neq C - 2$ |
| 1 2 3 | -6 0 6 |

Example 3: Solving and Graphing Inequalities

Solve and graph each of the inequalities.

I Do

Jacob buys a package of M & M's that have 25 M & M's in it. The package says, however, that the number of M & M's in the bag might vary by 4. Find the range of acceptable M & M's in the bag. Then graph.



We Do

Tiara is has set a goal to make \$175 in the month of January. At the end of the month, she told her brother that she was within \$15 of her goal. Find the range of money that Tiara could have made. Then graph.

$$\frac{-15}{160}$$
 $\frac{1}{175}$ $\frac{1}{190}$ $\frac{1}{190}$