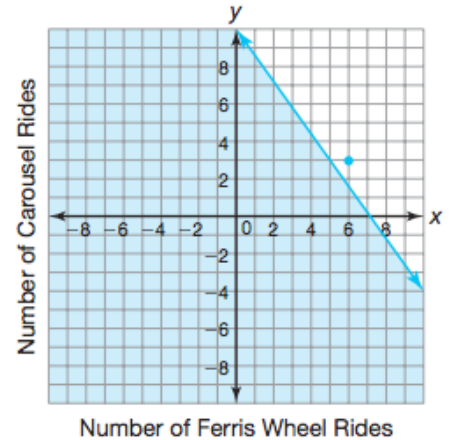


Graphing Linear Inequalities (Part 2)

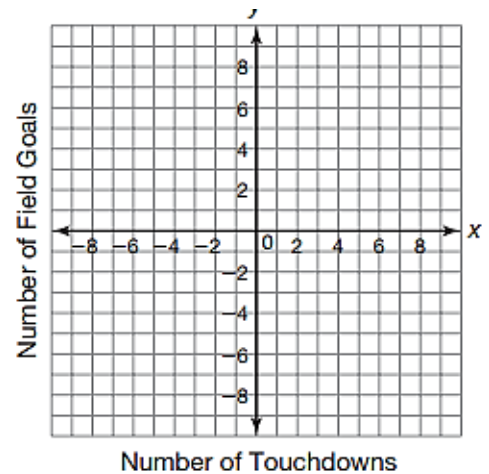
Graph each inequality and determine if the ordered pair is a solution for the problem situation.

1. Marcus has 50 tokens to spend at the school carnival. The Ferris wheel costs 7 tokens and the carousel costs 5 tokens. The inequality $7x + 5y \leq 50$ represents the possible ways Marcus could use his tokens on the two rides. Is the ordered pair $(6, 3)$ a solution for the problem situation? Show your proof algebraically.



2. Noah plays football. His team's goal is to score at least 15 points per game. A touchdown is worth 6 points and a field goal is worth 3 points. Noah's league does not allow teams to try for the extra point after a touchdown.

- Write the inequality which represents the possible ways Noah's team could score at least 15 points to reach their goal.
- Graph the inequality.
- Is the ordered pair $(6, 2)$ a solution for the problem situation? Show your proof algebraically.



3. Lea has \$5 to buy notebooks and pens. Notebooks cost \$1.25 each and pens cost \$0.50 each.

- Write the inequality that represents the possible ways Lea could spend her \$5.
- Graph the inequality.
- Is the ordered pair $(5, 2)$ a solution for the problem situation? Show your proof algebraically.

