5-7A Lesson Master

Questions on SPUR Objectives

REPRESENTATIONS Objective J

In 1 and 2, write an inequality describing the shaded region of the graph.

1. _____________________________
2. _____________________________

In 3 and 4, graph the inequality on the coordinate plane.

3. \( y < \frac{2}{3}x + 5 \)
4. \( 3x + 5y \leq 15 \)

In 5 and 6, Caitlin is providing a halftime snack for her basketball team. She has $6 to spend. Oranges cost 40¢ each and apples cost 50¢ each.

5. Determine whether she can buy each combination.
   a. 8 oranges and 4 apples
      _____________________________
   b. 8 oranges and 6 apples
      _____________________________

6. At the right, graph all of the possible combinations that Caitlin could purchase.