Math 7 Period	Name
7.6.17 Homework Set	Date

1. 28 students travel on a field trip. They bring a van that can seat 12 students. Elena and Kiran's teacher asks parents to drive cars that seat 3 children each to transport the rest of the students. Elena wonders if she should use the inequality 12 + 3n > 28 or $12 + 3n \ge 28$ to figure out how many cars are needed. Kiran doesn't think it matters in this case. Do you agree with Kiran? Explain your reasoning.

- 2. Select **all** the inequalities that have the same graph as x < 4. (from Unit 6, Lesson 13)
 - a. x < 2d. x 2 > 2b. x + 6 < 10e. x < 8c. 5x < 20
- 3. Solve each equation. Check your solution. (from Unit 6, Lesson 9)
 - A. 5(n-4) = -60 B. 7p 8 = -22

- 4. A. Simplify the expression 3m + 5 6m + 2
 - B. Simplify the expression 5(n-4)
 - C. Factor the expression 36a 16