

Practice 1-7

Inductive Reasoning

Write a rule for each pattern. Find the next three numbers in each pattern.

1. 3, 6, 9, 12, 15, _____, _____, _____

Rule: _____

2. 1, 2, 4, 8, 16, _____, _____, _____

Rule: _____

3. 6, 7, 14, 15, 30, 31, _____, _____, _____

Rule: _____

4. 34, 27, 20, 13, 6, _____, _____, _____

Rule: _____

Is each statement correct or incorrect? If it is incorrect, give a counterexample.

5. All roses are red.

6. A number is divisible by 4 if its last two digits are divisible by 4.

7. The difference of two numbers is always less than at least one of the numbers.

Describe the next figure in each pattern. Then draw the figure.








