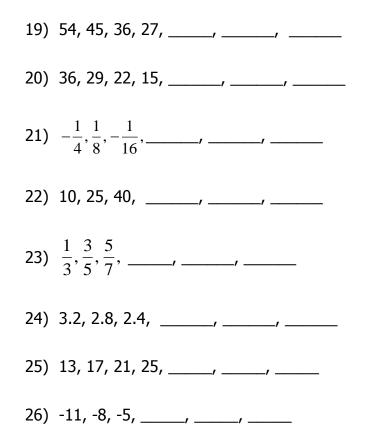
| Name: | Period: Date: | |
|--|--|----------------------|
| Homework E-1 Translating Expressions / Inductive Reasoning Unit E | | |
| Write each phrase as an algebraic expression. | | |
| 1. <i>b</i> plus 1 | 5. five years younger than Jessica | |
| 2. three more than x | 6. a number less eleven | |
| 3. twelve minus y | 7. four increased by <i>a</i> | |
| 4. seven less than n | 8. eight dollars more than <i>m</i> | |
| Write each sentence as an algebraic equation. | | |
| 9. A number plus three is 9. | 13. A number decreased by 5 is 12 | • |
| 10. The sum of x and 2 is 10. | 14. Five dollars less than Yumi's pa | ny is \$124 . |
| 11. \$4 more than the price is \$93 . | 15. A number times four is 20 . | |

Find the pattern in each sequence, name the next 3 numbers, and state the rule for finding the next numbers in the sequence.

| 16) | 48, 45, 42, 39,,,, |
|-----|---------------------------|
| Ru | le: |
| 17) | 2, 4, 8, 16,,,, |
| Ru | le: |
| 18) | 1,600; 800; 400; 200;;;;; |
| Ru | le: |

^{12.} Fifteen minus y is 7.

Find the pattern and name the next three numbers.



Draw the next figure in the pattern.



