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| Chapter 7 Dilation Problems |  | Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Complete the ordered pair rule that transforms the thin polygon to the thick polygon.** |
| 1.  | 2.  | 3.  |
| Describe the transformation in words:  | Describe the transformation in words:  | Describe the transformation in words:  |
| 4. Original:  Transformation:  | 5. Original:  Transformation:  | 6. Original:  Transformation:  |
|  |  |  |
| **For 7-12, write the rule for each transformation and graph the translated shape.**  |
| 7. Original: Dilation by 3.  Transformation:  | 8. Original: Dilation by  Transformation:  | 9. Original: Dilation by Transformation:  |
|  |  |  |
| 10. Original: Dilation by Transformation:  | 11. Original: Dilation by 2Transformation:  | 12. Original: Dilation by 6Transformation:  |
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