Quadrilateral Exploration Homework Name/Date:

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| **Directions:** Put an X on whether the statement is always, sometimes, or never true. Explain how you know by both sketching and writing a description. | |
| **Statement** | **How do you know?** |
| **1. A square is a rhombus.**  **always**  **sometimes**  **never** |  |
| **2. Trapezoids have one pair of parallel sides.**  **always**  **sometimes**  **never** |  |
| **3. Parallelograms are quadrilaterals.**  **always**  **sometimes**  **never** |  |

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| **4. All rectangles are squares.**  **always**  **sometimes**  **never** |  |
| **5. A rectangle is a parallelogram.**  **always**  **sometimes**  **never** |  |
| **6. A trapezoid can have at least one right angle.**  **always**  **sometimes**  **never** |  |