**Lesson 5.1b\_5.2b Homework Practice: *Reflections***

**Graph the figure and its reflection**

|  |  |  |  |
| --- | --- | --- | --- |
| **1.** Reflecttriangle *ABC* with vertices *A*(–3, 4), *B*(1, 4), and *C*(3, 1) over the x-axis | **2.** Reflectrectangle *MNOP* with vertices *M*(–2, –4), *N*(–2, –1),  *O*(3, –1), and  *P*(3, –4) over the x-axis | **3.** Reflecttriangle *DEF* with vertices *D*(1, 4), *E*(4, 3), and *F*(2, 0) over the y-axis | **4.** Reflecttrapezoid *WXYZ* with vertices *W*(–1, 3), *X*(–1, –4),*Y*(–5, –4), and *Z*(–3, 3) over the x-axis |
| CCSS_C3_Ch6_L2_Skills1.jpg | CCSS_C3_Ch6_L2_Skills2.jpg | CCSS_C3_Ch6_L2_Skills3.jpg | CCSS_C3_Ch6_L2_Skills4.jpg |

**The coordinates of a point and its image after a reflection are given. Describe the reflection as over the x-axis or y-axis.**

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| **5.** A(-2, 7)🡪A’(2, 7) | **6.** M(8, 9)🡪 M’(8, -9) | **7.** X(-1, -4)🡪X’(-1, 4) | **8.** W(-4, 0)🡪W’(4, 0) |
| **Axis?** | **Axis?** | **Axis?** | **Axis?** |

