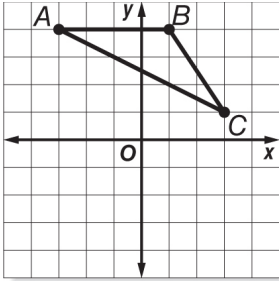# M1T1 – Lesson 4

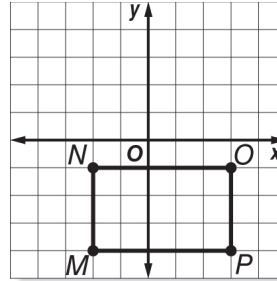## Reflections Skills Practice

Graph the figure after a reflection over the *x*-axis. Then find the coordinates of the reflected image. (Label!)

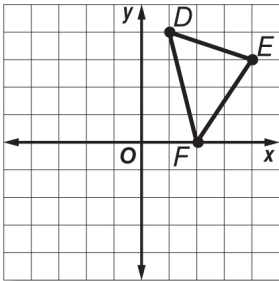**1.** triangle *ABC* with vertices *A*(–3, 4), *B*(1, 4), and *C*(3, 1)

2. rectangle *MNOP* with vertices *M*(–2, –4), *N*(–2, –1), *O*(3, –1), and *P*(3, –4)
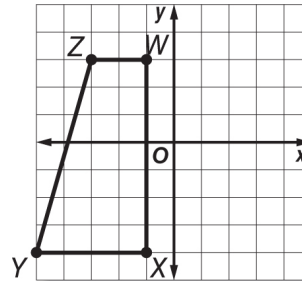
Graph the figure after a reflection over the *y*-axis. Then find the coordinates of the reflected image. (Label!)

3. triangle *DEF* with vertices *D*(1, 4), *E*(4, 3), and *F*(2, 0)

4. trapezoid *WXYZ* with vertices *W*(–1, 3), *X*(–1, –4), *Y*(–5, –4), and *Z*(–3, 3)

For Exercises 5–8, use the following information.

Triangle *JKL* has vertices *J*(–3, 1), *K*(–1, 3), and *L*(–4, 2).

5. What are the coordinates of the image of point *J* after a reflection over the *y*-axis?

6. What are the coordinates of the image of point *K* after a reflection over the *y*-axis?

7. What are the coordinates of the image of point *L* after a reflection over the *y*-axis?

8. Graph triangle *JKL* after a reflection over the *y*-axis.