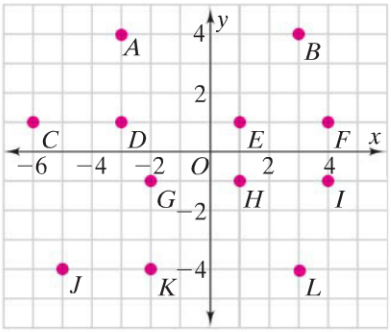
CHAPTER 10 Extra Practice

Skills

Lessons 10-1 and 10-3 **Use the graph for Exercises 1–6.**



Name the point with the given coordinates.

1. $(-2, -1)$
2. $(1, 1)$
3. $(3, 4)$

Find the slope of the line through the points.

4. A and E
5. G and E
6. B and F

Lesson 10-2 **Tell whether each ordered pair is a solution of $y = x + 18$.**

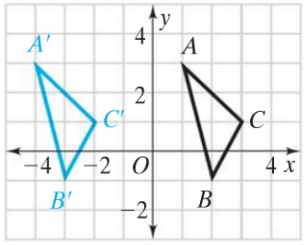
7. $(2, 20)$
8. $(22, 4)$
9. $(36, -18)$

Lesson 10-4 **Make a table of solutions for each equation. Use integer values of x from -3 to 3. Then graph each equation.**

10. $y = x^2$
11. $y = x^2 - 4$
12. $y = 3x^2$
13. $y = 4|x|$

Lesson 10-5 **Write a rule for the translation shown in each graph.**

14.



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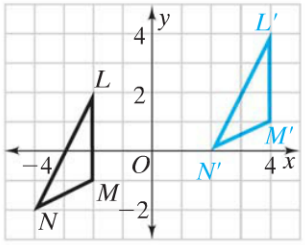

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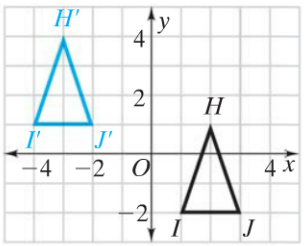

Lesson 10-6 **Use the graph from Exercises 1–6 to answer Exercise 17.**

17. Is the triangle formed by points E, B, and F a reflection, a rotation, or a translation of the image formed by points H, L, and I? Explain.

Lesson 10-7 **Graph the square $ABCD$ with vertices $A(2, -3)$, $B(4, -5)$, $C(6, -3)$, and $D(4, -1)$. Then connect the vertices in order.**

18. Draw the image of $ABCD$ after a rotation of 180° about point A.

19. Write the coordinates of the image of $ABCD$.