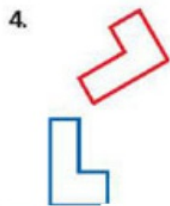
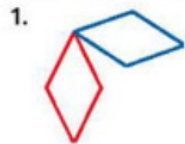


GUIDED PRACTICE

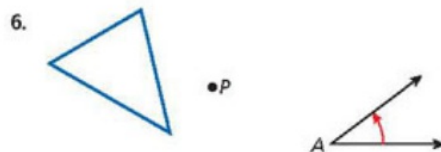
HW 9.3 Online p622-623

1-4, 6-10, 12-16, 18-21, 23-25

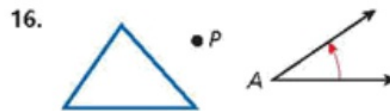
Tell whether each transformation appears to be a rotation.



Copy each figure and the angle of rotation. Draw the rotation of the figure about point P by $m\angle A$.



Copy each figure and the angle of rotation. Draw the rotation of the figure about point P by $m\angle A$.



Rotate the figure with the given vertices about the origin using the given angle of rotation.

18. $E(-1, 2), F(3, 1), G(2, 3); 90^\circ$

19. $A(-1, 0), B(-1, -3), C(1, -3), D(1, 0); 90^\circ$

20. $P(0, -2), Q(2, 0), R(3, -3); 180^\circ$

21. $L(2, 0), M(-1, -2), N(2, -2); 180^\circ$

Rotate the figure with the given vertices about the origin using the given angle of rotation.

7. $A(1, 0), B(3, 2), C(5, 0); 90^\circ$

8. $J(2, 1), K(4, 3), L(2, 4), M(-1, 2); 90^\circ$

9. $D(2, 3), E(-1, 2), F(2, 1); 180^\circ$

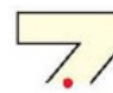
10. $P(-1, -1), Q(-4, -2), R(0, -2); 180^\circ$

Copy each figure. Then draw the rotation of the figure about the red point using the given angle measure.

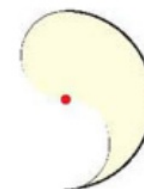
23. 90°



24. 180°



25. 180°



PRACTICE AND PROBLEM SOLVING

Tell whether each transformation appears to be a rotation.

