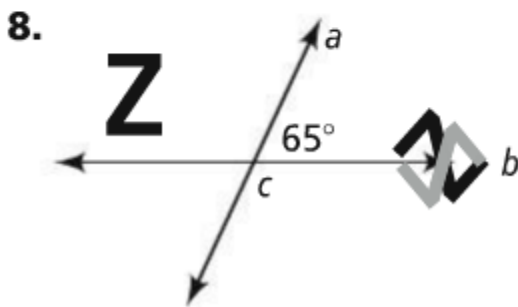
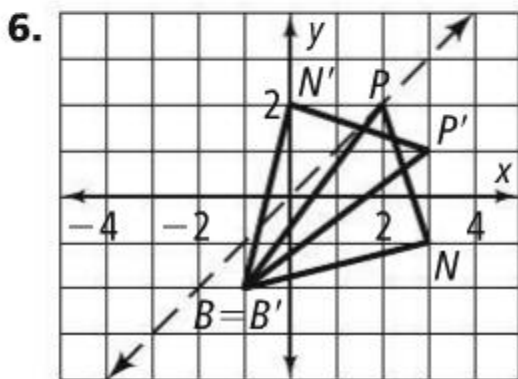
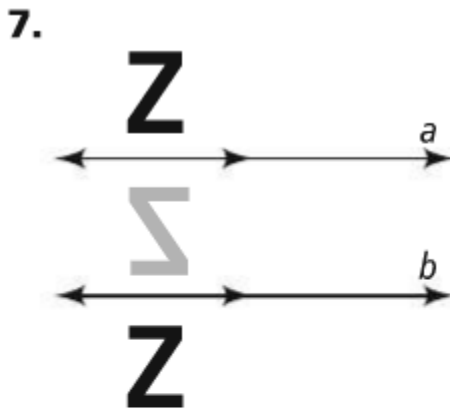
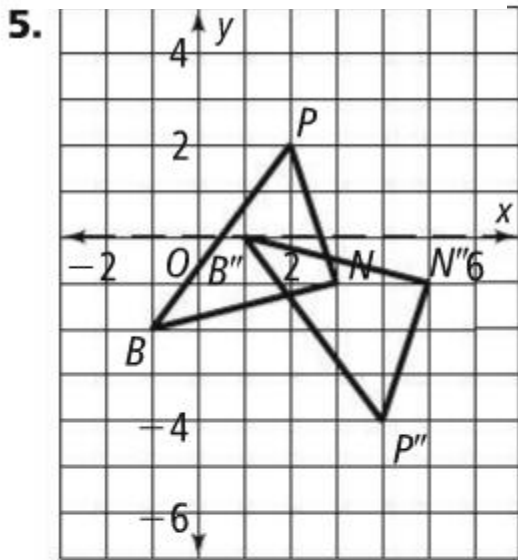
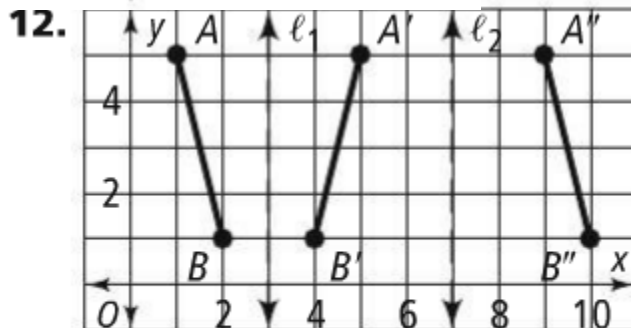


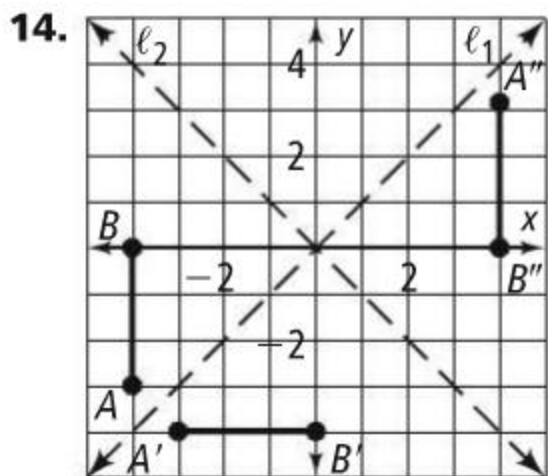
The center is C and the \angle of rotation is 150° clockwise.



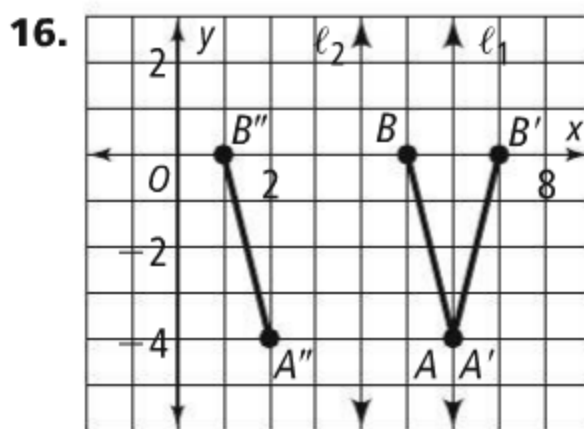
10. parallel



a translation 8 units to the right



a 180° rotation about $(0, 0)$



a translation 4 units left

19. $R_{x=\frac{1}{2}} \circ T_{\langle 0, 2 \rangle}$

20. $r_{(180^\circ, 0)}$

26. glide reflection; $(R_{y=0} \circ T_{\langle 11, 0 \rangle})(x, y)$

~~27. translation; $(T_{\langle -9, 0 \rangle})(x, y)$~~

28. reflection; $R_{y=0}$

~~29. reflection; $R_{x=4}$~~

30. reflection; $R_{x=-\frac{1}{2}}$

~~31. rotation; center $(3, 0)$, \angle of rotation 180°~~

32. glide reflection; $(R_{x=4} \circ T_{\langle 0, 4 \rangle})(x, y)$