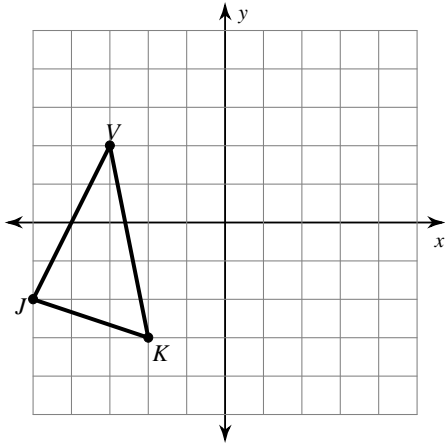


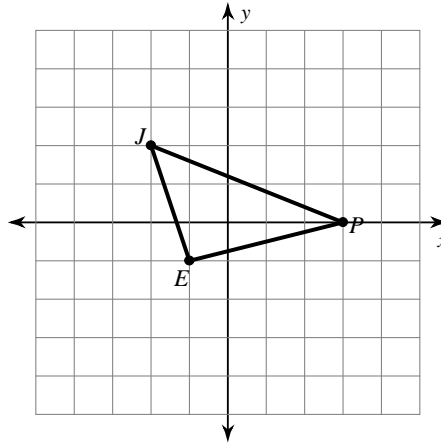
Chapter 8 Extra Quiz Review

Graph the image of the figure using the transformation given.

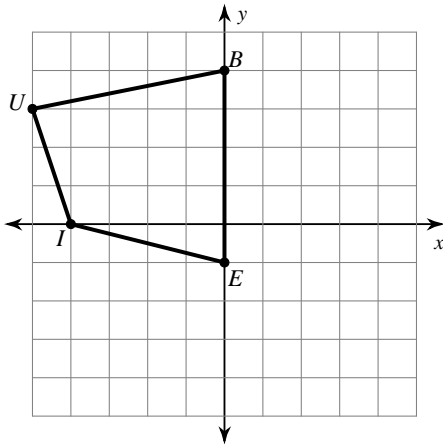
1) translation: 2 units up



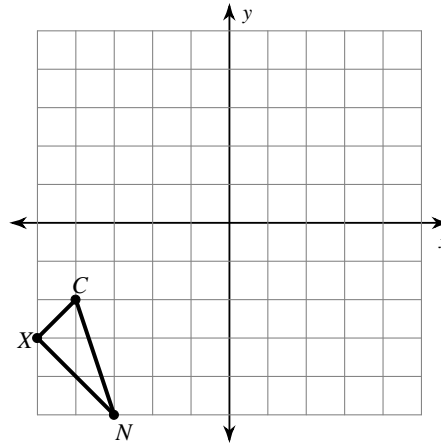
2) dilation of  $\frac{3}{2}$



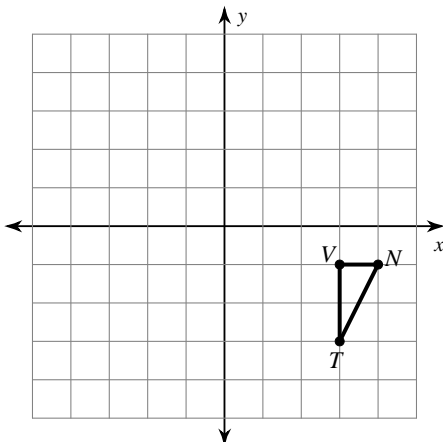
3) reflection across the y-axis



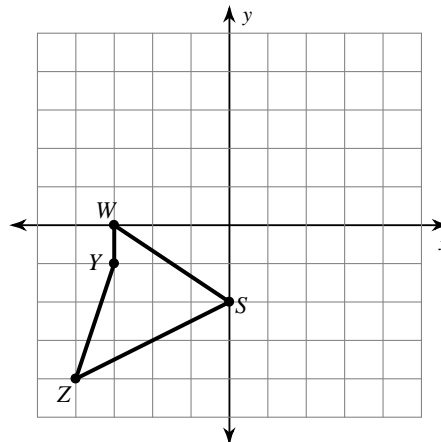
4) translation: 1 unit right and 1 unit up



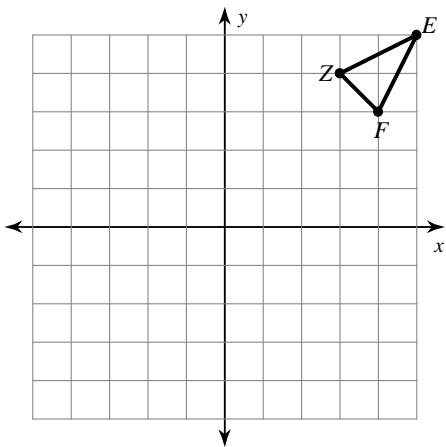
5) reflection across the y-axis



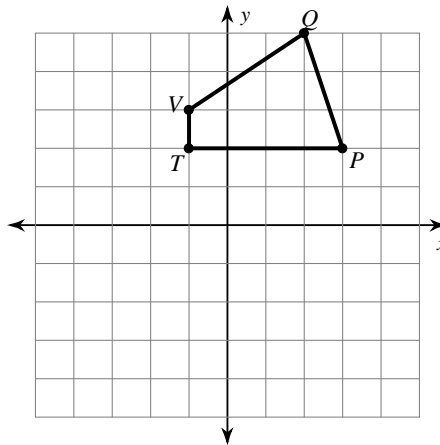
6) rotation  $180^\circ$  about the origin



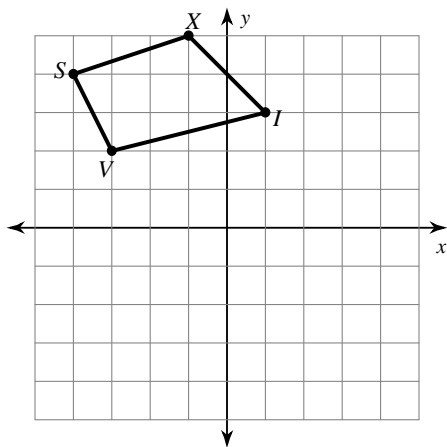
7) dilation of  $\frac{1}{4}$



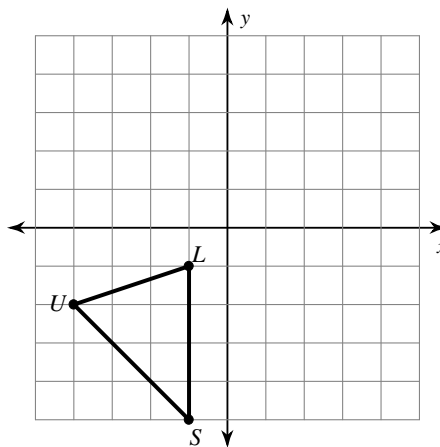
8) rotation  $180^\circ$  about the origin



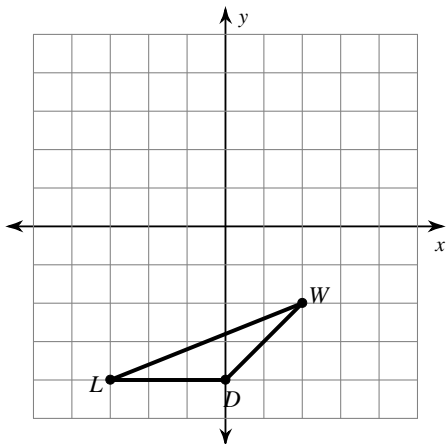
9) rotation  $270^\circ$  clockwise about the origin



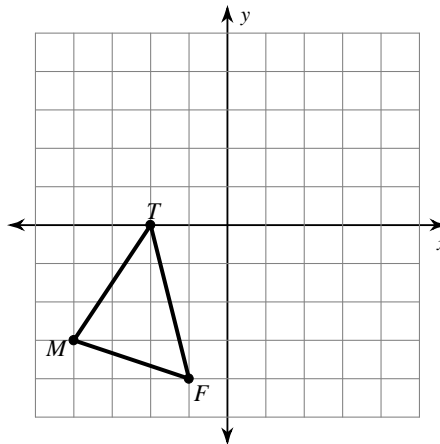
10) translation: 1 unit right and 6 units up



11) reflection across the y-axis

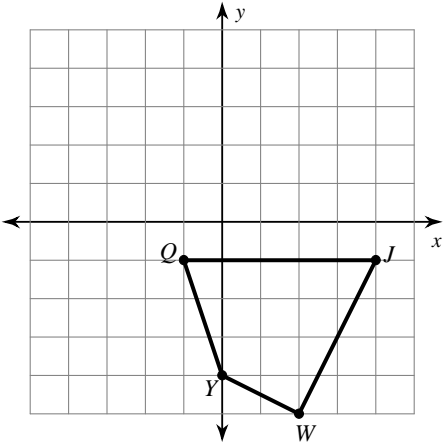


12) translation: 6 units right

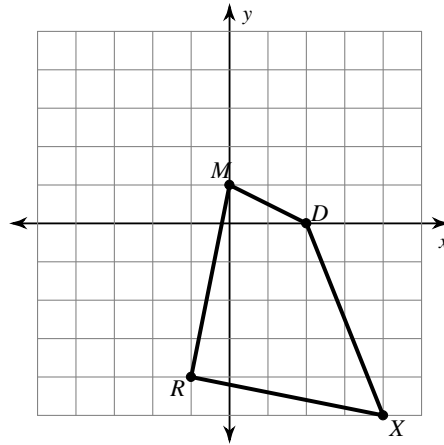


Find the coordinates of the vertices of each figure after the given transformation.

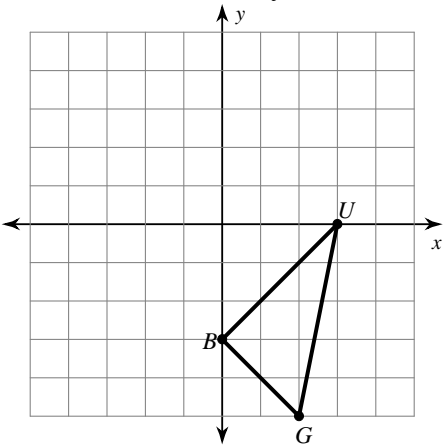
13) rotation  $270^\circ$  counterclockwise about the origin



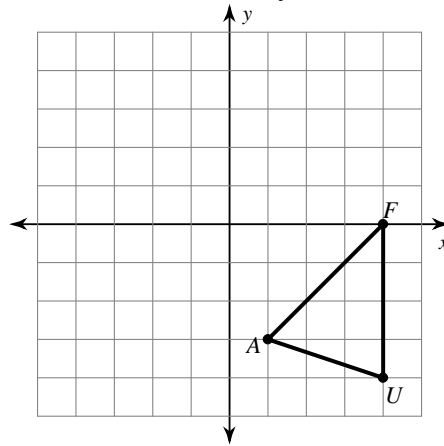
14) dilation of 0.5



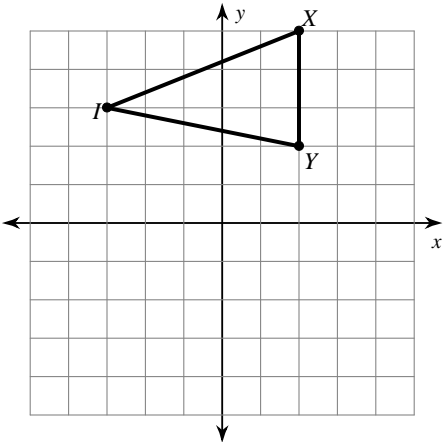
15) reflection across the y-axis



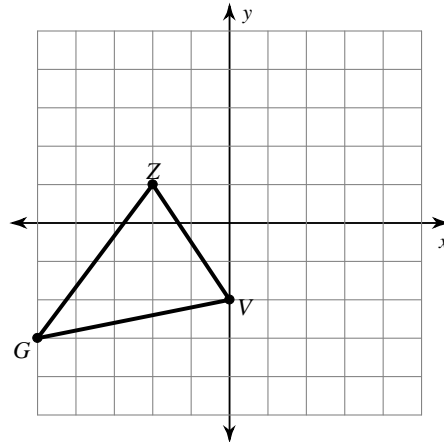
16) reflection across the y-axis



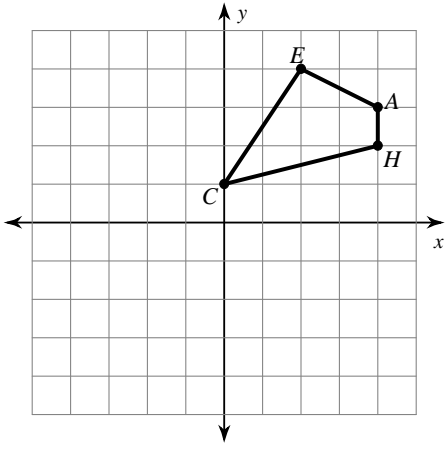
17) translation: 2 units right and 2 units down



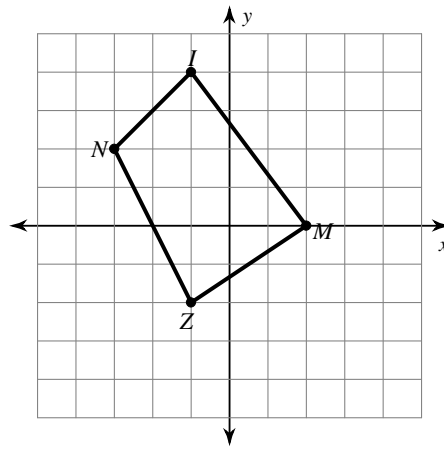
18) rotation  $180^\circ$  about the origin



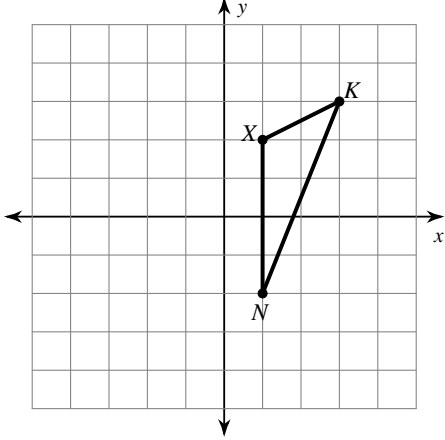
19) rotation  $180^\circ$  about the origin



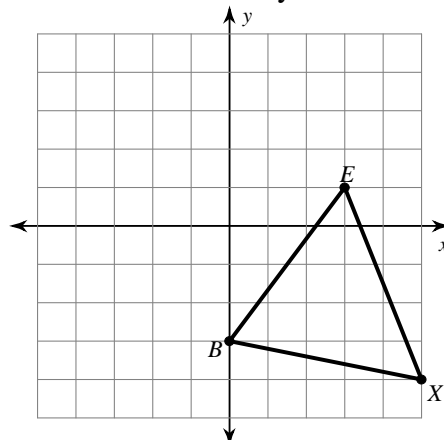
20) dilation of 0.5



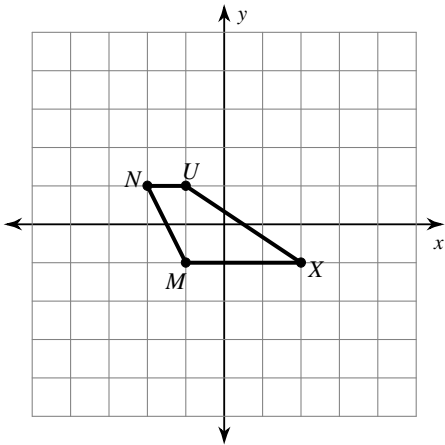
21) translation: 2 units left and 1 unit down



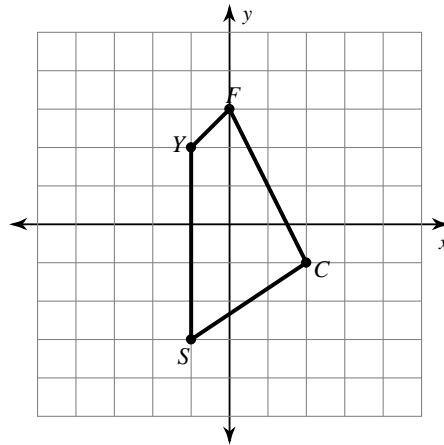
22) reflection across the y-axis



23) dilation of 1.5

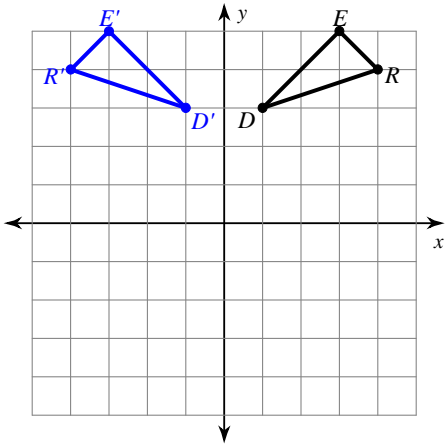


24) dilation of 1.5

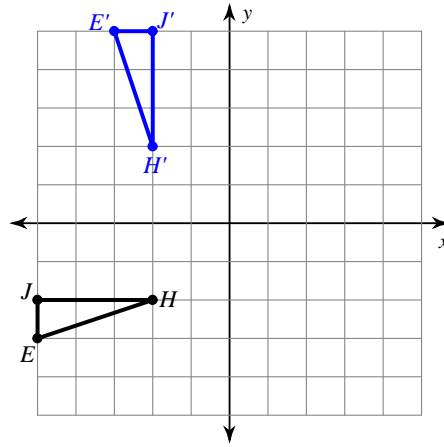


Write a rule to describe each transformation.

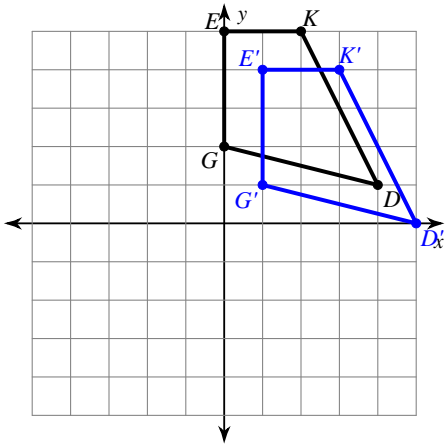
25)



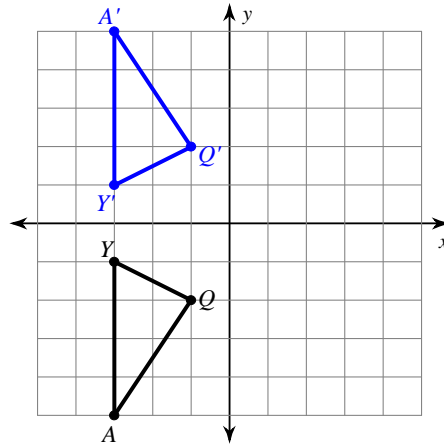
26)



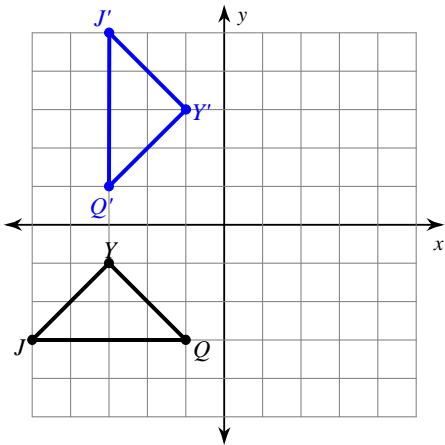
27)



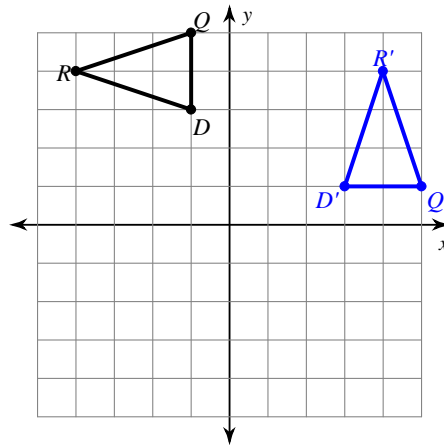
28)



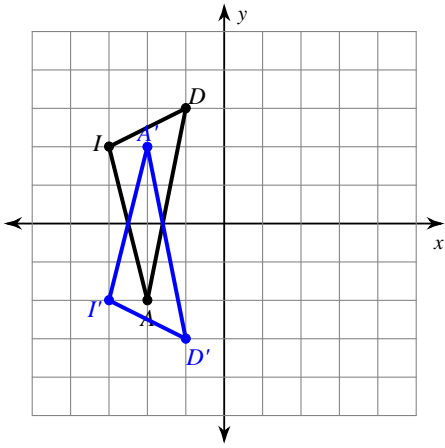
29)



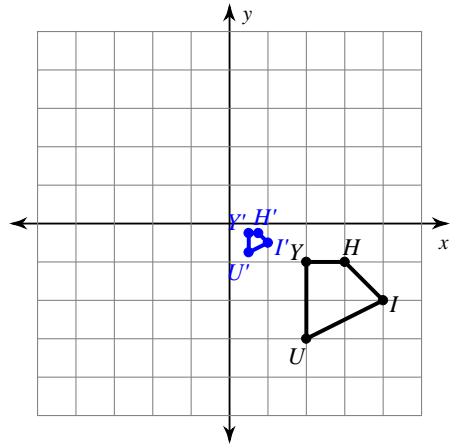
30)



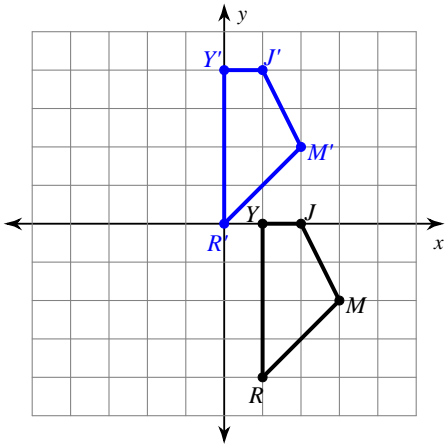
31)



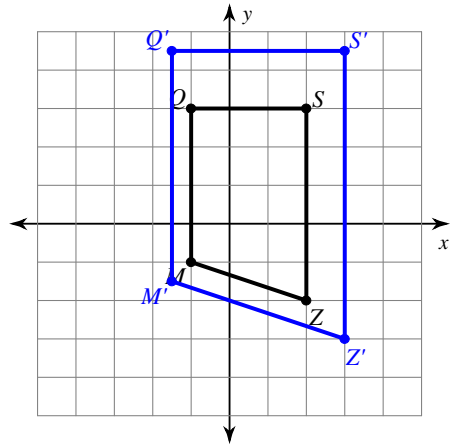
32)



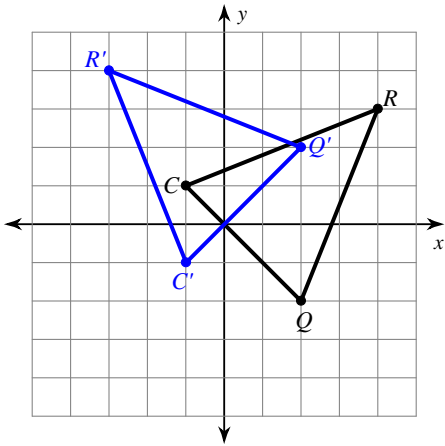
33)



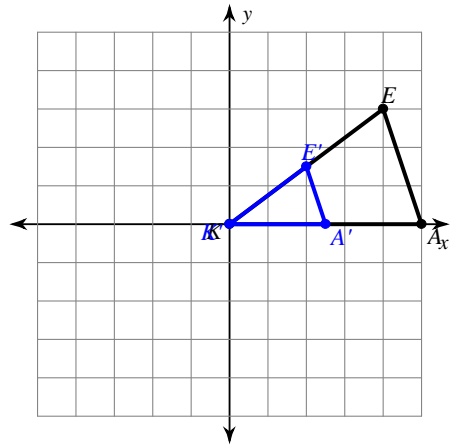
34)



35)

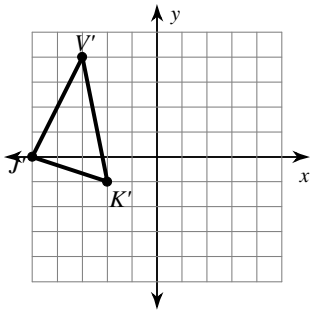


36)

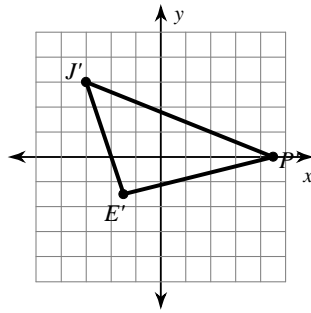


# Answers to Chapter 8 Extra Quiz Review (ID: 1)

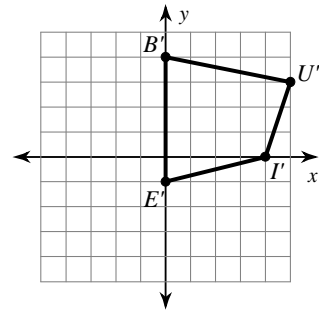
1)



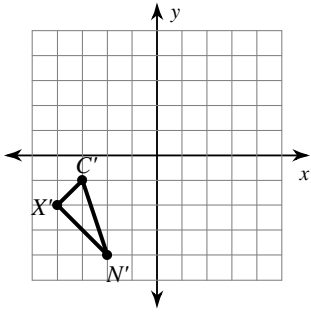
2)



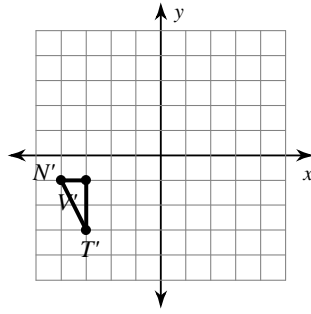
3)



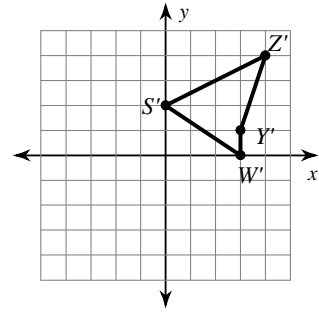
4)



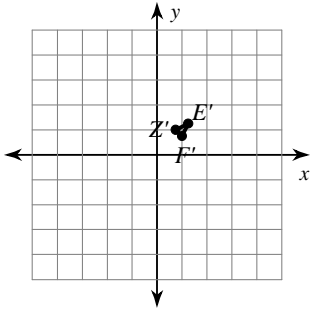
5)



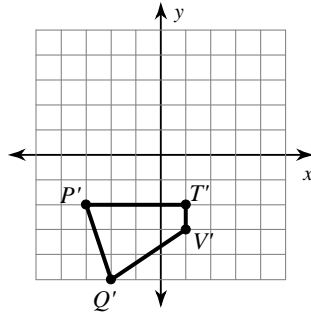
6)



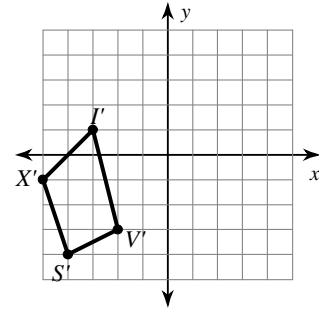
7)



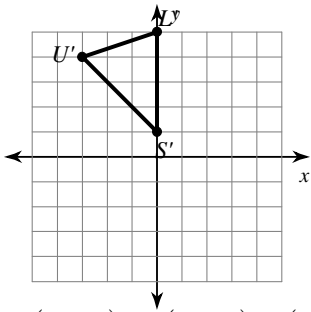
8)



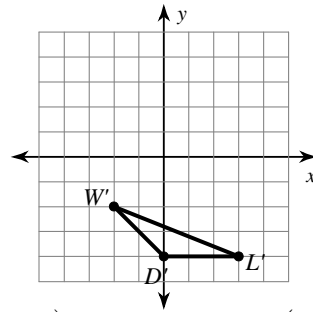
9)



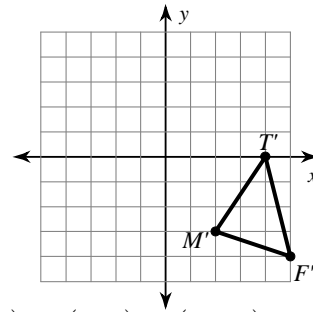
10)



11)



12)



13)  $Y'(-4, 0)$ ,  $Q'(-1, 1)$ ,  $J'(-1, -4)$ ,  $W'(-5, -2)$

14)  $R'(-1, -2)$ ,  $M'(0, 1)$ ,  $D'(1, 0)$ ,  $X'(2, -3)$

15)  $U'(-3, 0)$ ,  $G'(-2, -5)$ ,  $B'(0, -3)$

16)  $F'(-4, 0)$ ,  $U'(-4, -4)$ ,  $A'(-1, -3)$

17)  $I'(-1, 1)$ ,  $X'(4, 3)$ ,  $Y'(4, 0)$

18)  $G'(5, 3)$ ,  $Z'(2, -1)$ ,  $V'(0, 2)$

19)  $C'(0, -1)$ ,  $E'(-2, -4)$ ,  $A'(-4, -3)$ ,  $H'(-4, -2)$

20)  $Z'(-1, -1)$ ,  $N'(-2, 1)$ ,  $I'(-1, 2)$ ,  $M'(1, 0)$

21)  $X'(-1, 1)$ ,  $K'(1, 2)$ ,  $N'(-1, -3)$

22)  $E'(-3, 1)$ ,  $X'(-5, -4)$ ,  $B'(0, -3)$

23)  $M'(-2, -2)$ ,  $N'(-3, 2)$ ,  $U'(-2, 2)$ ,  $X'(3, -2)$

24)  $Y'(-2, 3)$ ,  $F'(0, 5)$ ,  $C'(3, -2)$ ,  $S'(-2, -5)$

25) reflection across the y-axis

26) rotation  $90^\circ$  clockwise about the origin

27) translation: 1 unit right and 1 unit down

28) reflection across the x-axis

29) rotation  $270^\circ$  counterclockwise about the origin

30) rotation  $90^\circ$  clockwise about the origin

31) reflection across the x-axis

32) dilation of  $\frac{1}{4}$

33) translation: 1 unit left and 4 units up

34) dilation of 1.5

35) rotation  $270^\circ$  clockwise about the origin

36) dilation of  $\frac{1}{2}$