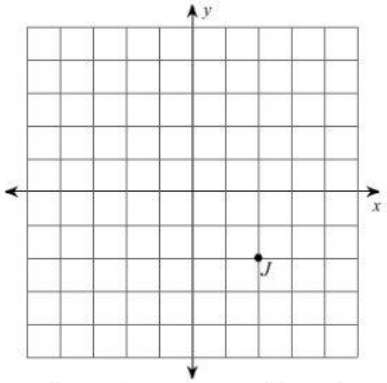
Geometry Name_____ ID: 1

Assignment

Date_____ Period____

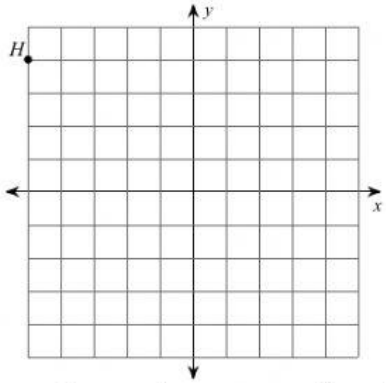
Find the coordinates of the vertices of each figure after the given transformation.

1) dilation of $\frac{3}{2}$ about the origin



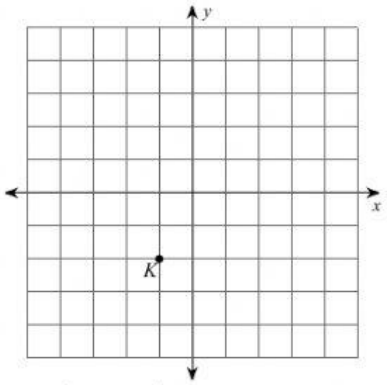
A) $J'(3, -3)$ B) $J'(5, -5)$
C) $J'(1, -1)$ D) $J'(4, -4)$

2) dilation of $\frac{1}{2}$ about the origin



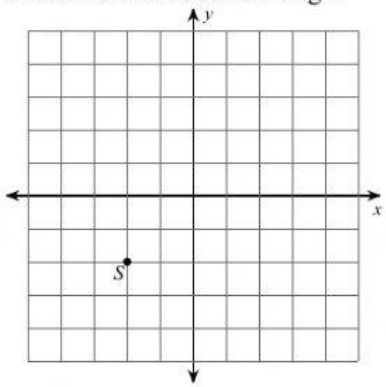
A) $H'(-1.25, 1)$ B) $H'(0, -2)$
C) $H'(-3, 2)$ D) $H'(-2.5, 2)$

3) dilation of $\frac{3}{2}$ about the origin



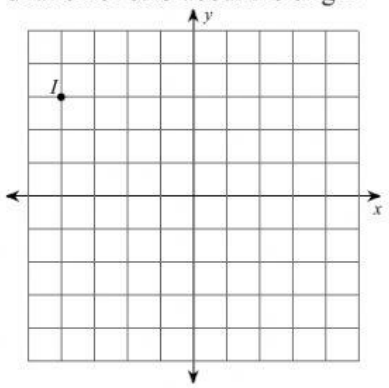
A) $K'(-1.5, -3)$
B) $K'(-2, -4)$
C) $K'(-2.5, -5)$
D) $K'(-0.25, -0.5)$

4) dilation of 2.5 about the origin



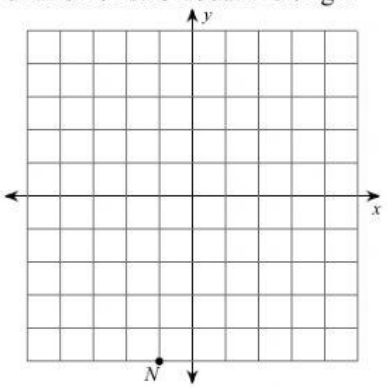
A) $S'(-5, -5)$ B) $S'(-0.5, -0.5)$
C) $S'(-3, -3)$ D) $S'(-4, -4)$

5) dilation of 0.25 about the origin



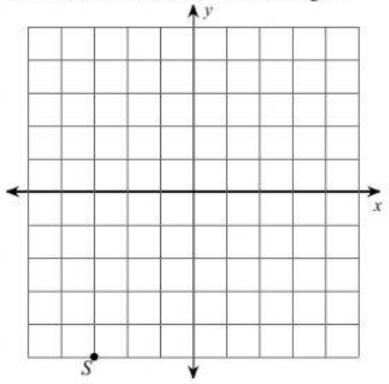
A) $I'(-1, 0.75)$
B) $I'(-2, 1.5)$
C) $I'(0, 3)$
D) $I'(2, 3)$

6) dilation of 0.25 about the origin



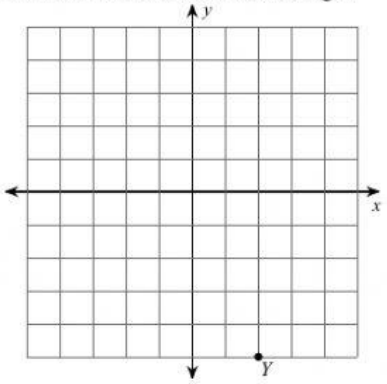
A) $N'(3, -5)$
B) $N'(-0.5, -2.5)$
C) $N'(-0.25, -1.25)$
D) $N'(5, -1)$

7) dilation of 0.5 about the origin



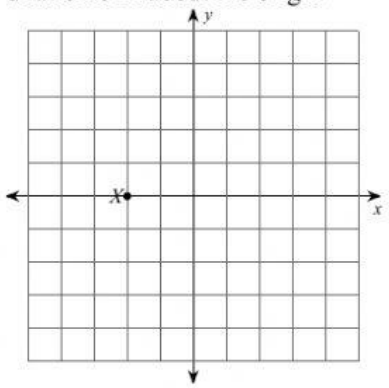
A) $S'(-1.5, -2.5)$
B) $S'(-0.75, -1.25)$
C) $S'(3, 5)$
D) $S'(-5, -5)$

8) dilation of 0.25 about the origin



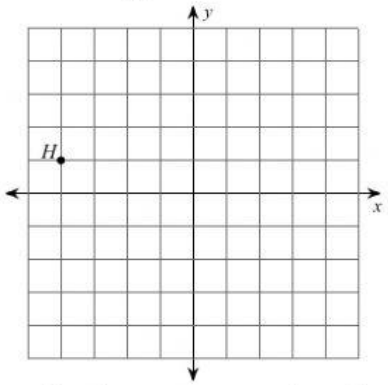
A) $Y'(0.5, -1.25)$
B) $Y'(-2, 5)$
C) $Y'(3, -4)$
D) $Y'(1, -2.5)$

9) dilation of 2 about the origin



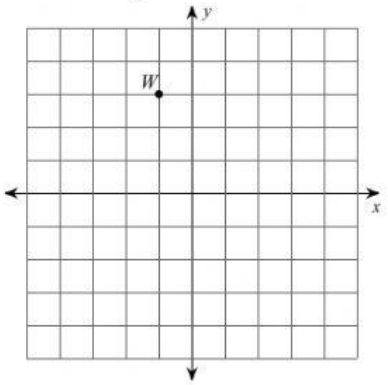
A) $X'(-4, 0)$
B) $X'(-5, 0)$
C) $X'(-3, 0)$
D) $X'(-0.5, 0)$

10) dilation of $\frac{1}{2}$ about the origin



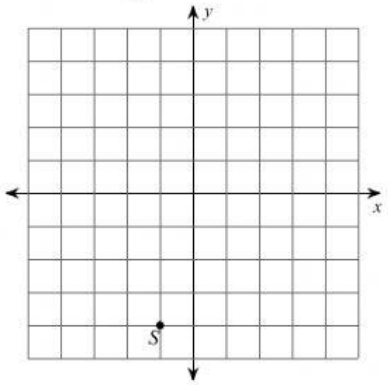
A) $H'(4, 1)$
B) $H'(-4, 5)$
C) $H'(-2, 0.5)$
D) $H'(-1, 0.25)$

11) dilation of $\frac{3}{2}$ about the origin



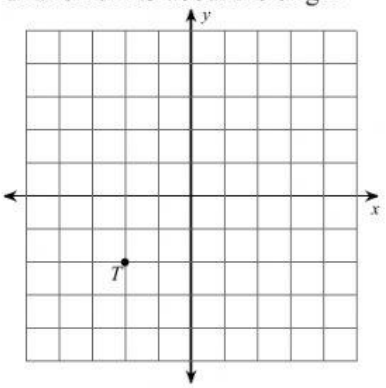
A) $W'(1, -1)$
B) $W'(-5, 3)$
C) $W'(-1.5, 4.5)$
D) $W'(-0.25, 0.75)$

12) dilation of $\frac{1}{2}$ about the origin



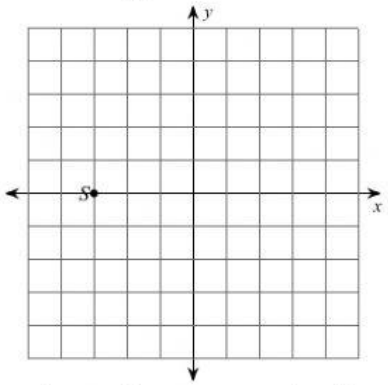
A) $S'(-0.5, -2)$
B) $S'(5, -4)$
C) $S'(1, -5)$
D) $S'(-0.25, -1)$

13) dilation of 1.5 about the origin



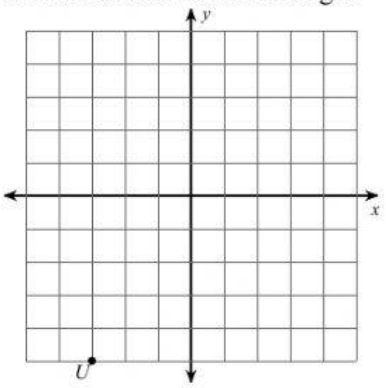
A) $T'(-0.5, -0.5)$
B) $T'(-5, -5)$
C) $T'(-3, -3)$
D) $T'(-4, -4)$

14) dilation of $\frac{3}{2}$ about the origin



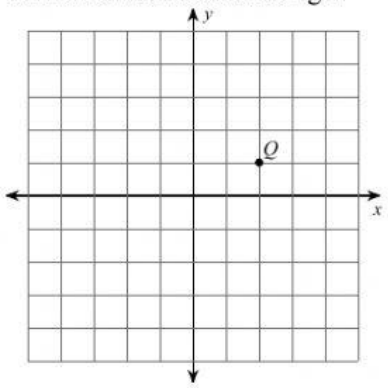
A) $S'(-1.5, 0)$
B) $S'(5, 0)$
C) $S'(-0.75, 0)$
D) $S'(-4.5, 0)$

15) dilation of 0.25 about the origin



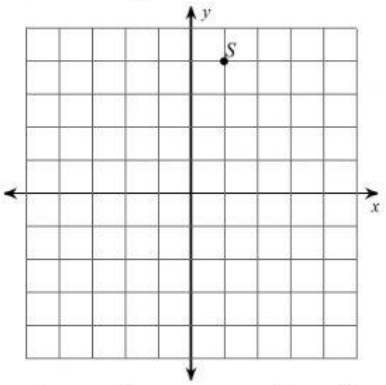
A) $U'(-0.75, -1.25)$
B) $U'(3, 5)$
C) $U'(-4, 1)$
D) $U'(-1.5, -2.5)$

16) dilation of 2.5 about the origin



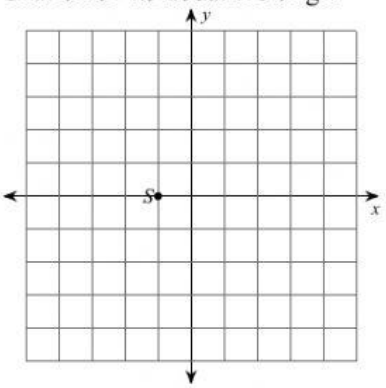
A) $Q'(5, 2.5)$
B) $Q'(3, 1.5)$
C) $Q'(1, 0.5)$
D) $Q'(4, 2)$

17) dilation of $\frac{1}{2}$ about the origin



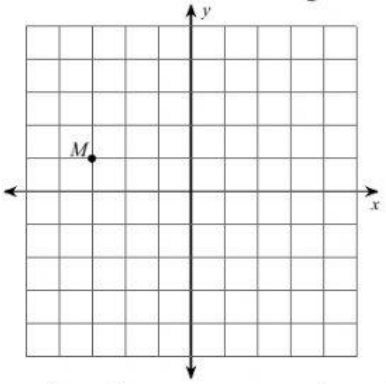
A) $S'(0.25, 1)$ B) $S'(0.5, 2)$
C) $S'(-1, -4)$ D) $S'(3, -5)$

18) dilation of 4.5 about the origin



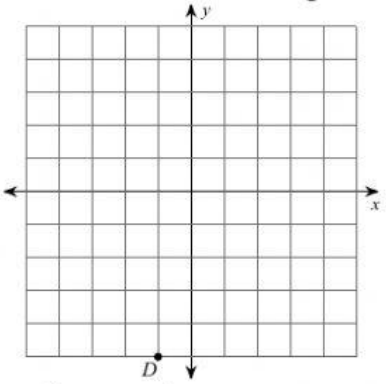
A) $S'(-1.5, 0)$ B) $S'(-2, 0)$
C) $S'(-3.5, 0)$ D) $S'(-4.5, 0)$

19) dilation of 1.5 about the origin



A) $M'(-3, 3)$ B) $M'(-1, -3)$
C) $M'(-4.5, 1.5)$ D) $M'(3, -1)$

20) dilation of 0.5 about the origin



A) $D'(-0.5, -2.5)$
B) $D'(-0.25, -1.25)$
C) $D'(5, -1)$
D) $D'(1, 5)$