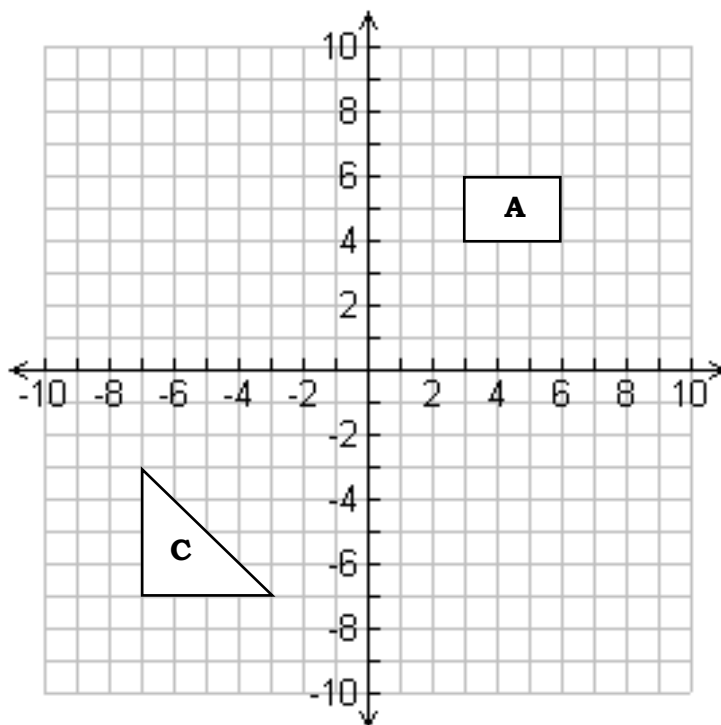


NEGATIVE SCALE FACTORS – PRACTICE QUESTIONS

1.

(a) Enlarge Shape A with scale factor -1 using $(0,5)$ as the centre of enlargement and label this Shape B.

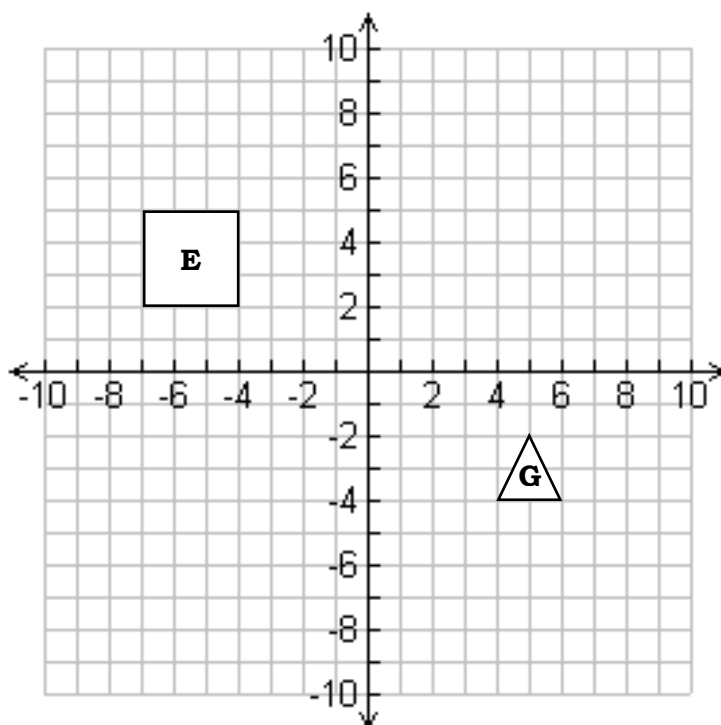
(b) Enlarge Shape C with scale factor -1 using $(1,-6)$ as the centre of enlargement and label this Shape D.



2.

(a) Enlarge Shape E with scale factor -1 using $(1,4)$ as the centre of enlargement and label this Shape F.

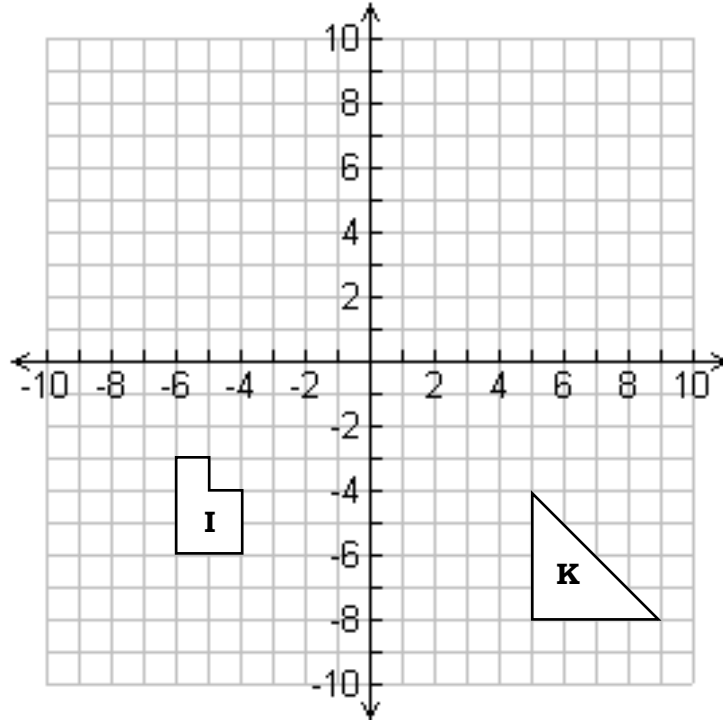
(b) Enlarge Shape G with scale factor -2 using $(1,-4)$ as the centre of enlargement and label this Shape H.



3.

(a) Enlarge Shape I with scale factor -1 using $(0,0)$ as the centre of enlargement and label this Shape J.

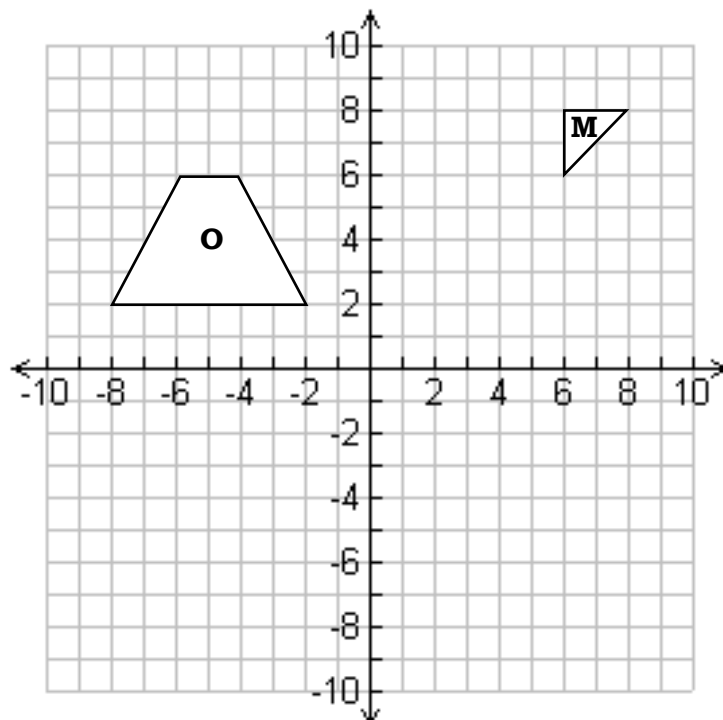
(b) Enlarge Shape K with scale factor -0.5 using $(-3,0)$ as the centre of enlargement and label this Shape L.



4.

(a) Enlarge Shape M with scale factor -3 using $(4,4)$ as the centre of enlargement and label this Shape N.

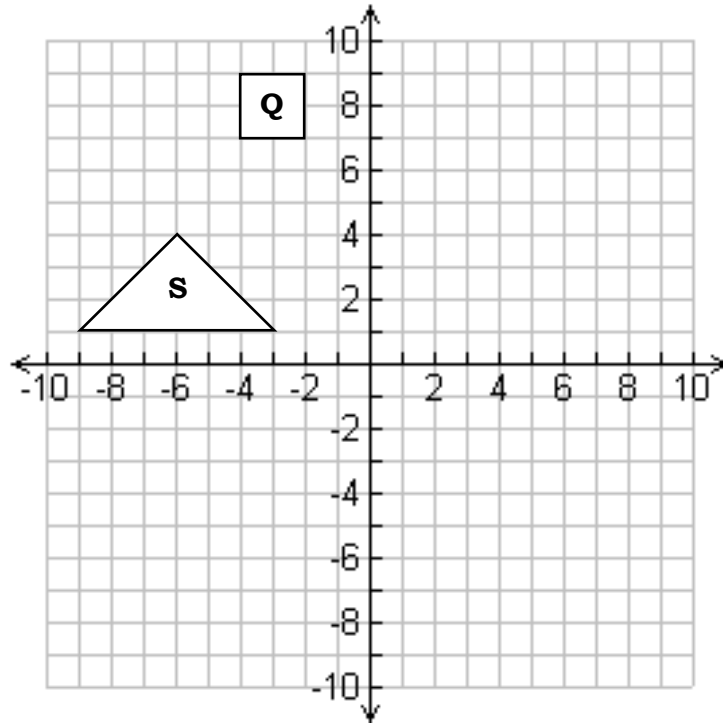
(b) Enlarge Shape O with scale factor -0.5 using $(0,-2)$ as the centre of enlargement and label this Shape P.



5.

(a) Enlarge Shape Q with scale factor -2 using $(-1,5)$ as the centre of enlargement and label this Shape R.

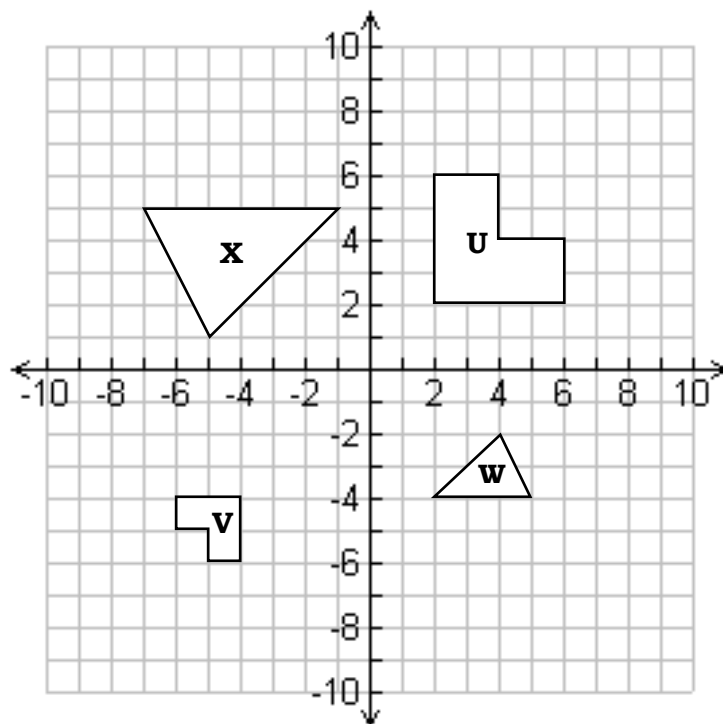
(b) Enlarge Shape S with scale factor $-\frac{1}{3}$ using $(-6,-2)$ as the centre of enlargement and label this Shape T.



6.

(a) Describe fully the single transformation that transforms Shape U into Shape V.

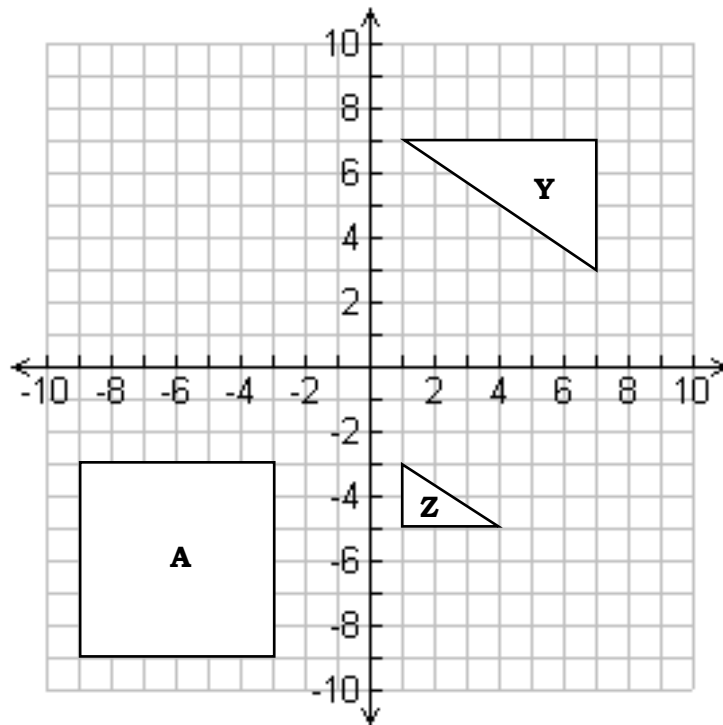
(b) Describe fully the single transformation that transforms Shape W into Shape X.



7.

(a) Enlarge Shape A with scale factor $-\frac{1}{3}$ using $(-6,3)$ as the centre of enlargement and label this Shape B.

(b) Describe fully the single transformation that transforms Shape Z into Shape Y.



8.

(a) Enlarge Shape C with scale factor -1.5 using $(1,2)$ as the centre of enlargement and label this Shape D.

(b) Describe fully the single transformation that transforms Shape E into Shape F.

