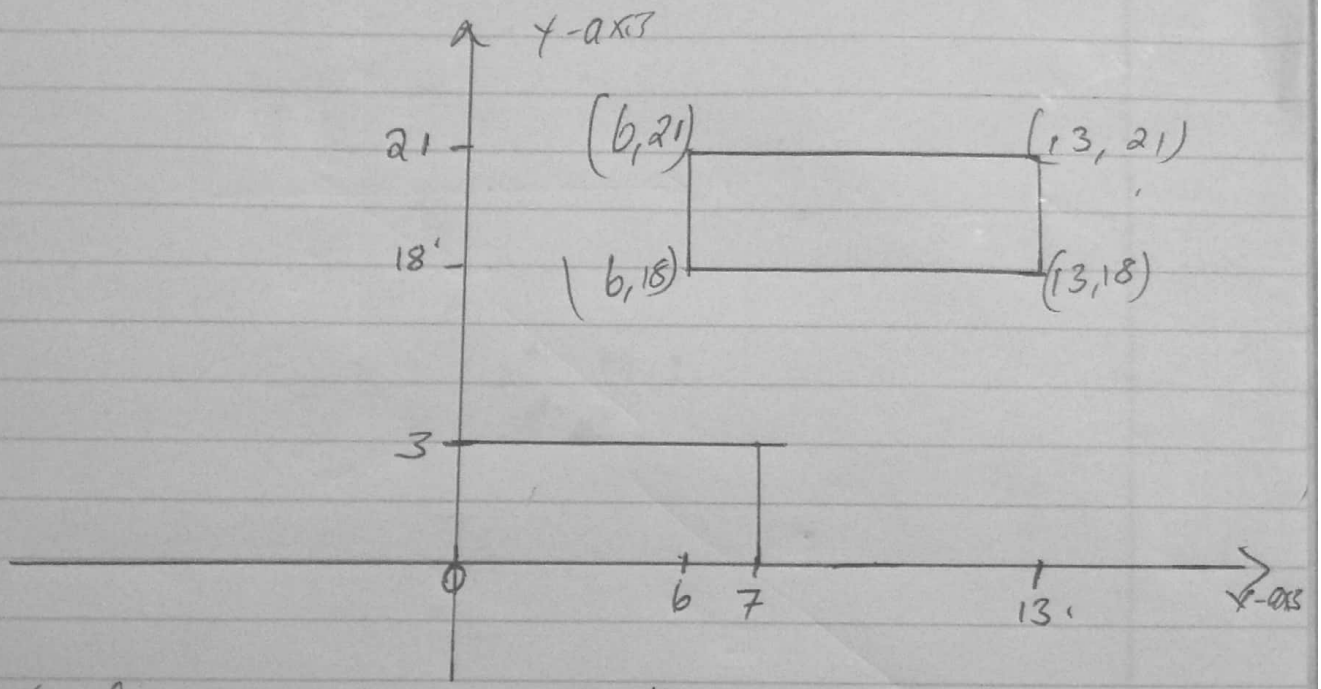
1. The reflection line is $x=0$, y-axis

2. Dilation

3. Reflection

4.



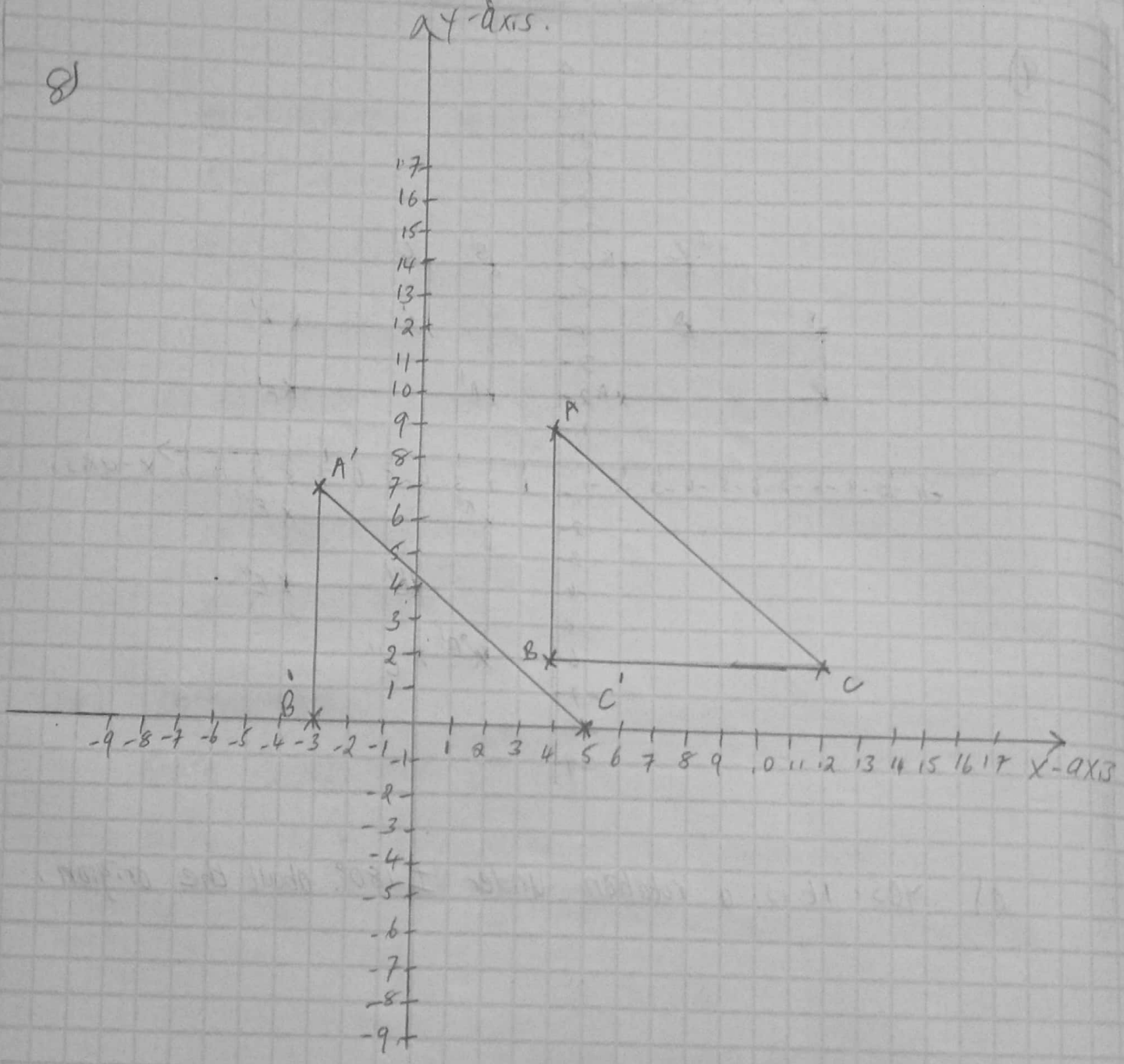
The four co-ordinates of the corners are;
(6,21)
(13,21)
(6,18)
(13,18).

5: C

6) d

7 a

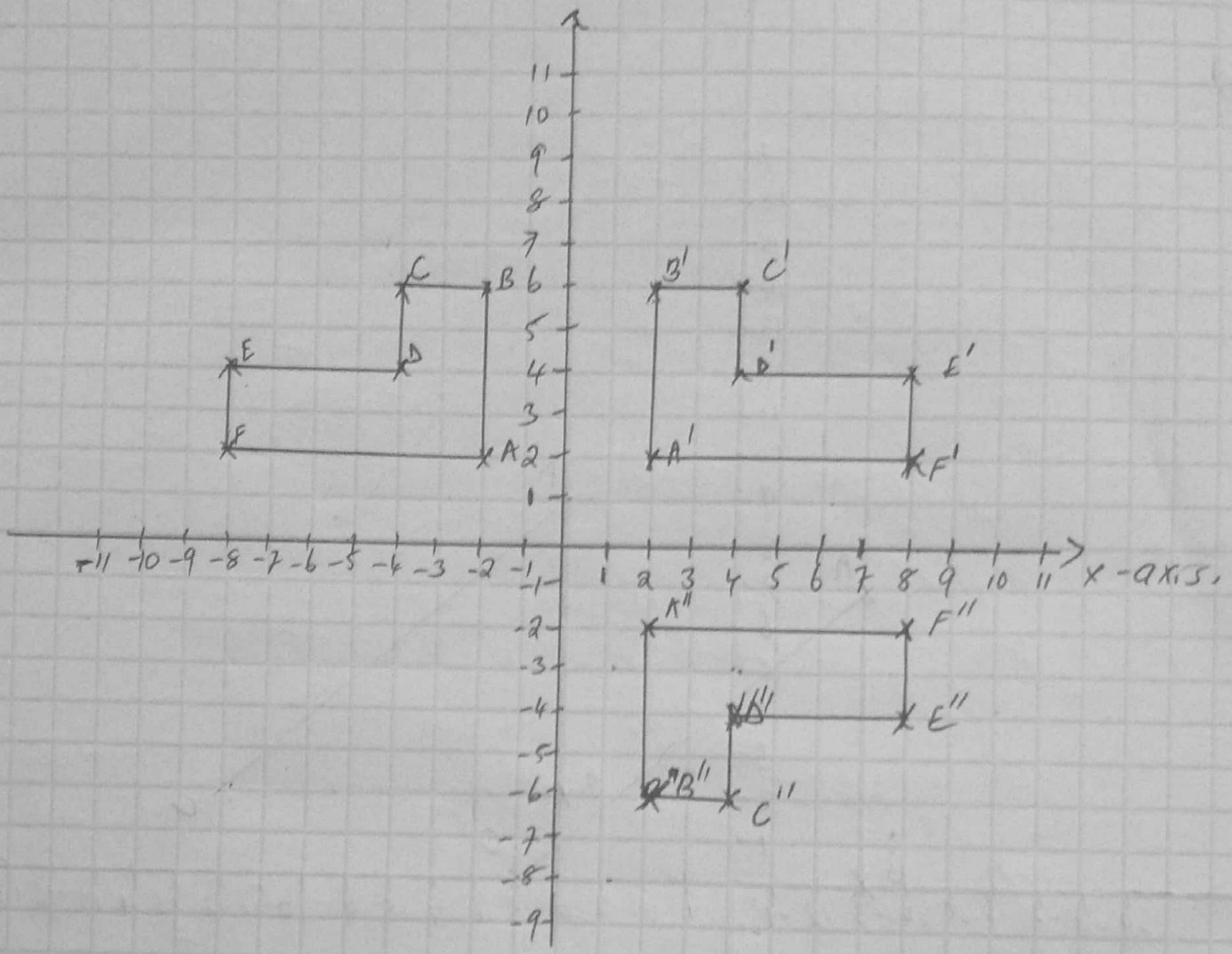
8)



~~vertically 7 8 units~~

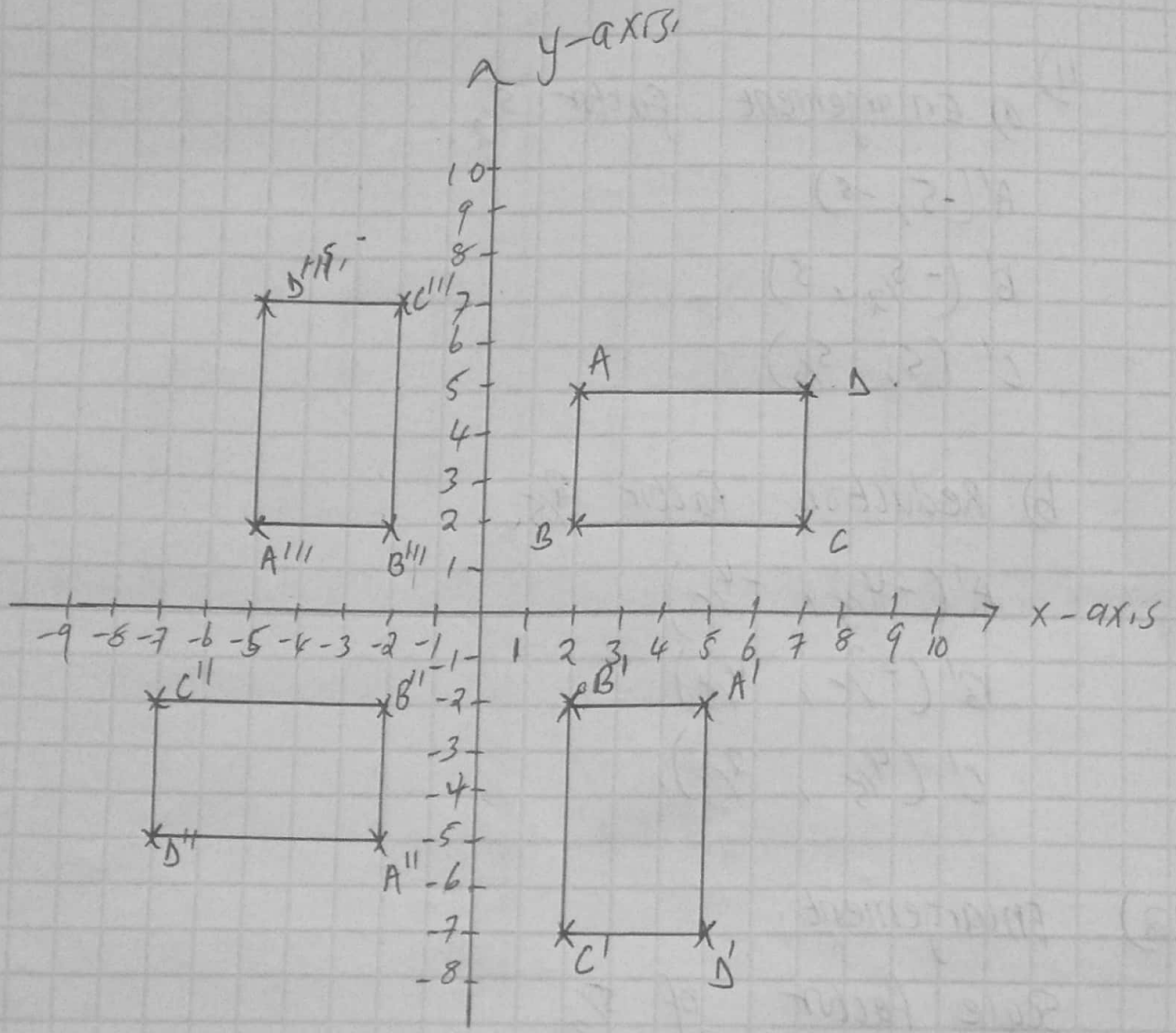
Vertically 2 units
Horizontally 7 units.

9)



c) Yes. It is a rotation under ± 180°. about the origion.

10)



11)

a) Enlargement factor $5/2$.

$A'(-5, -5)$

$B'(-5/2, 5)$

$C'(5, 5/2)$.

b) Reduction factor $2/5$

$A'(-4/5, -4/5)$

$B'(-2/5, 4/5)$

$C'(4/5, 2/5)$.

12) Enlargement.

Scale factor of $5/3$.

$6\frac{2}{3}, 10$ } The ratio of the measurement
$4, 6.$ } ~~bet~~ is $\frac{20}{3} \times \frac{1}{4} = 5/3$

$10/6 = 5/3$

Hence Scale factor is $5/3$.