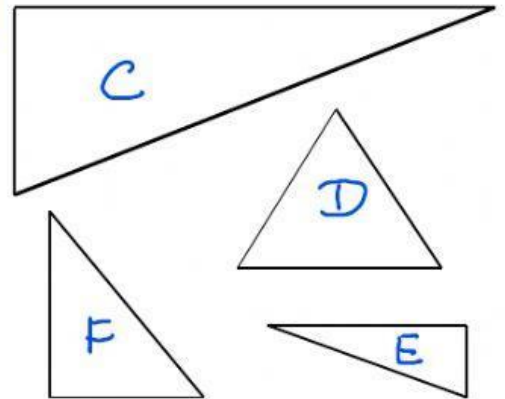
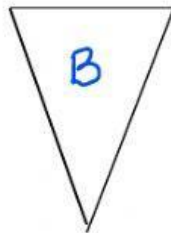
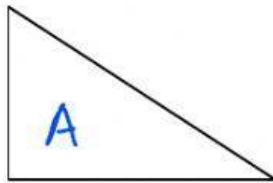


## WORKSHEET ON SCALE FACTOR, REFLECTION AND SIMILARITY

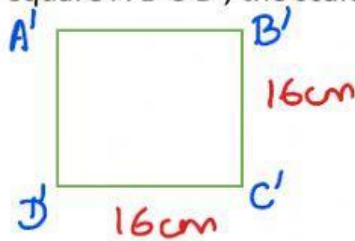
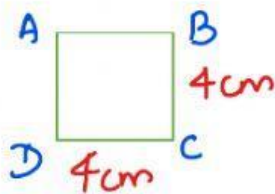
11<sup>th</sup> Feb - 2022

Q1. If the coordinates of a point of preimage is ( 3,4 ) and scale factor is 2 then the new coordinates of the image are (  ,  )

Q2. The triangles similar to triangle A are :  ,  ,



Q3. If the square ABCD is dilated to square A'B'C'D', the scale factor is =



Q4. If the scale factor is 3 and a triangle ABC is dilated to triangle A'B'C' where length of side AB = 10 cm. Then the length of side A'B' =  cm.

Q5. If the coordinates of a point is (2,3) and it is reflected in x axis then the new coordinates of the point are (  ,  )

Q6. If the coordinates of a point is (- 2,4 ) and it is reflected in y axis then the new coordinates of the point are (  ,  )

Q7. A line of length 6 cm is reflected in x axis if scale factor is 2. The length of the line is now =  cm.