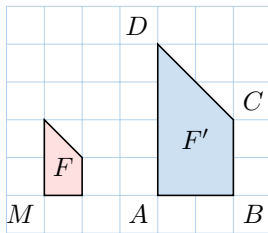


SIMILARITY

A WHAT IS A SIMILARITY?

A.1 FINDING ELEMENTS

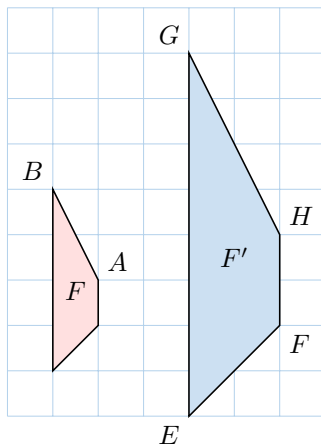
MCQ 1: The figure F' is an enlargement of the figure F .



Find the vertex that is the image of vertex M .

- ☐ A
- ☐ B
- ☐ C
- ☐ D

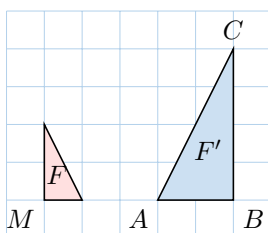
MCQ 2: The figure F' is an enlargement of the figure F .



Find the segment that is the image of segment \overline{AB} .

- ☐ \overline{EF}
- ☐ \overline{FG}
- ☐ \overline{GH}
- ☐ \overline{HE}

MCQ 3: The figure F' is an enlargement of the figure F .

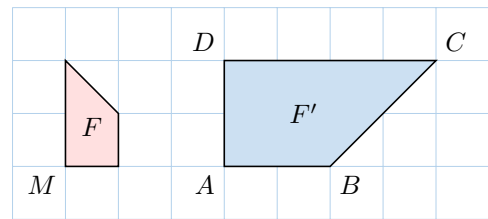


Find the vertex that is the image of vertex M .

- ☐ A
- ☐ B

☐ C

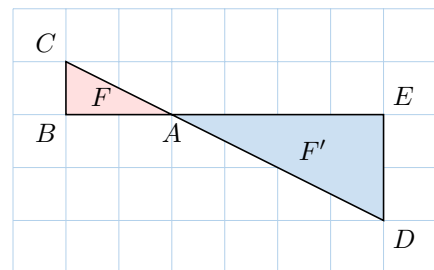
MCQ 4: The figure F' is an enlargement of the figure F .



Find the vertex that is the image of vertex M .

- ☐ A
- ☐ B
- ☐ C
- ☐ D

MCQ 5: The figure F' is an enlargement of the figure F .

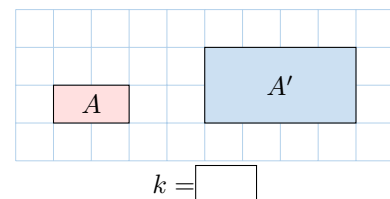


Find the segment that is the image of segment \overline{AB} .

- ☐ \overline{AE}
- ☐ \overline{AD}
- ☐ \overline{DE}

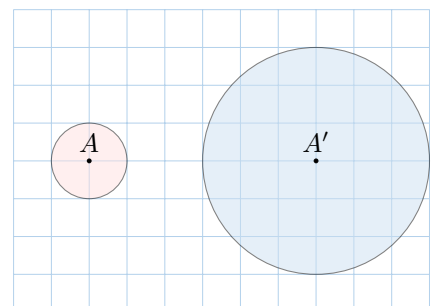
A.2 FINDING THE SCALE FACTOR

Ex 6: Find the scale factor for this enlargement.



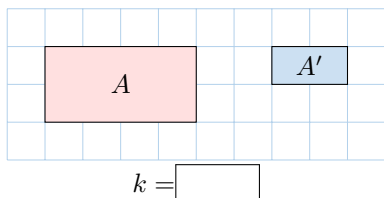
$k = \boxed{}$

Ex 7: Find the scale factor for this enlargement.

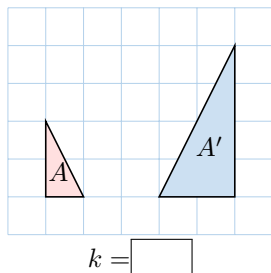


$k = \boxed{}$

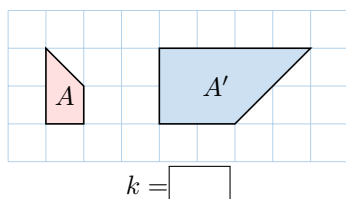
Ex 8: Find the scale factor for this reduction.



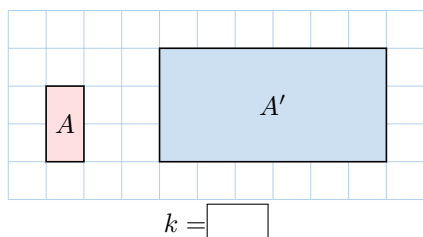
Ex 9: Find the scale factor for this enlargement.



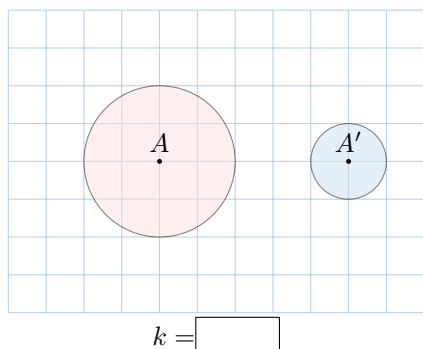
Ex 10: Find the scale factor for this enlargement.



Ex 11: Find the scale factor for this enlargement.



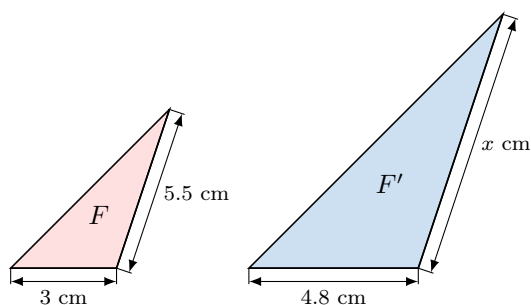
Ex 12: Find the scale factor for this reduction.



B SIMILAR FIGURES

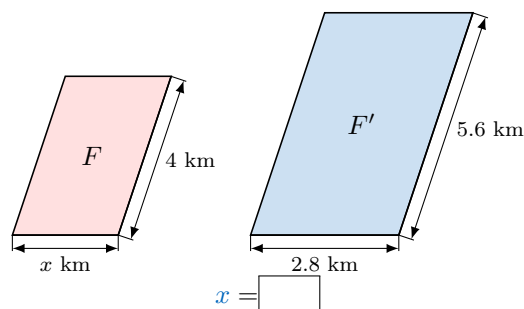
B.1 FINDING UNKNOWN LENGTH

Ex 13: The figures F and F' are similar. Find x .

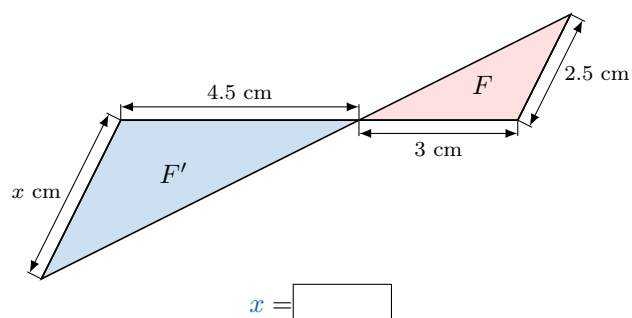


$$x = \boxed{}$$

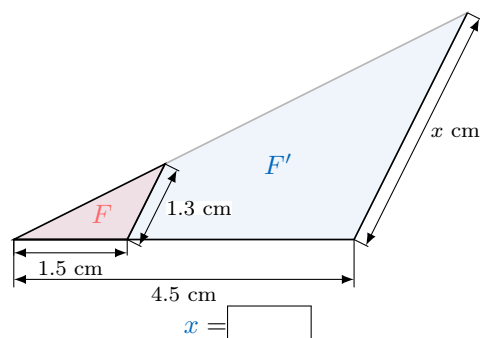
Ex 14: The figures F and F' are similar. Find x .



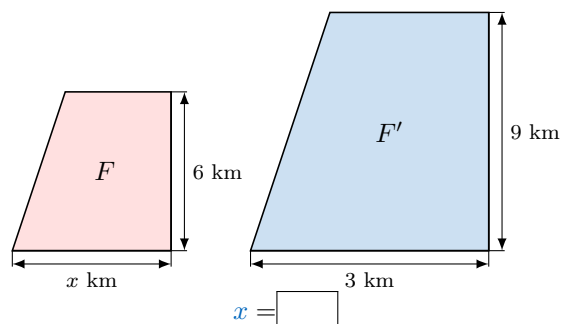
Ex 15: The figures F and F' are similar. Find x .



Ex 16: The figures F and F' are similar. Find x .



Ex 17: The figures F and F' are similar. Find x .



B.2 DETERMINING SHAPE SIMILARITY

MCQ 18: Are all rectangles similar?

☐ True

☐ False

MCQ 19: Are all squares similar?

☐ True

☐ False

MCQ 20: Are all circles similar?

☐ True

☐ False

MCQ 21: Are all rhombuses similar?

☐ True

☐ False