The polygons in each pair are similar. Find the scale factor of the pre-image to the image and solve for x.

1)
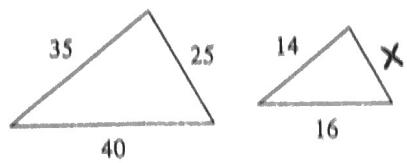
2)
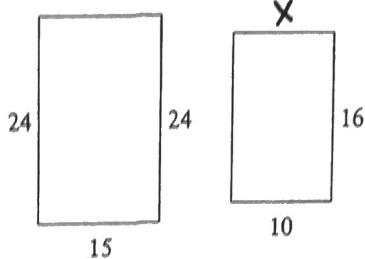
3)
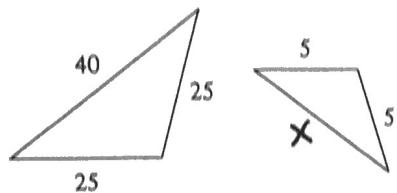
4)
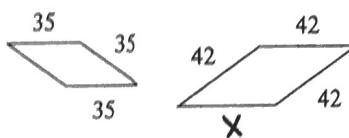
5)
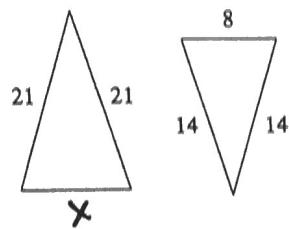
6)
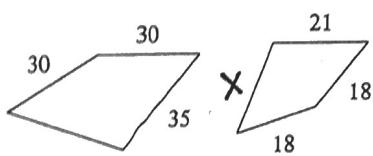
7)
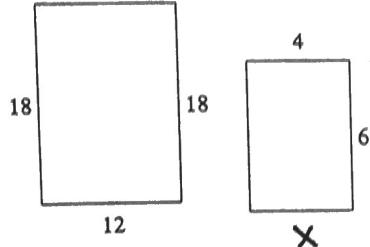
8)
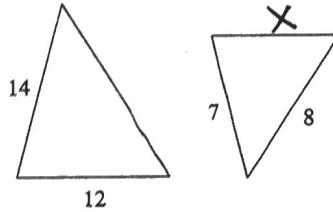
Use $\triangle ABC$, where X, Y, and Z are midpoints of the sides.

⑩ AC ‖ _____

⑪ If $\overline{AC} = 35$, then $\overline{YZ} = $ _____

⑫ If $\overline{XY} = 6$, then $\overline{BC} = $ _____

⑬ If $\overline{AY} = 5$, then $\overline{AB} = $ _____
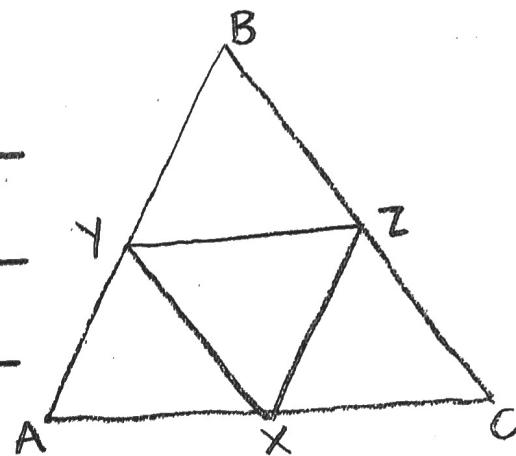
⑭ If $\overline{XY} = 4x + 7$ and $\overline{BC} = x + 35$, then $\overline{BC} = $ _____.