Kuta Software - Infinite Geometry

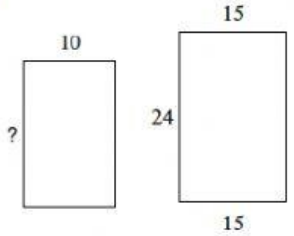
Name_____

Using Similar Polygons

Date_____ Period____

The polygons in each pair are similar. Find the missing side length.

1)



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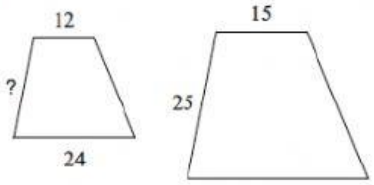

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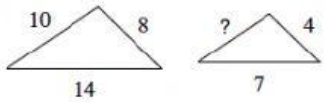

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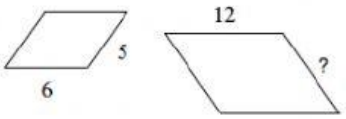

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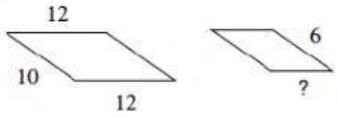

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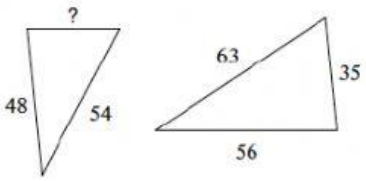

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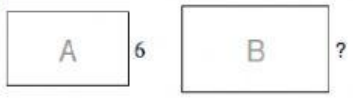
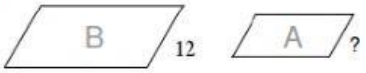


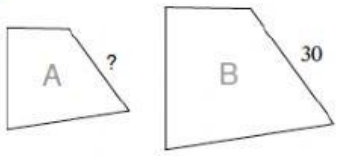
scale factor from A to B = 2 : 7

8)



scale factor from A to B = 2 : 3

9)



scale factor from A to B = 5 : 6

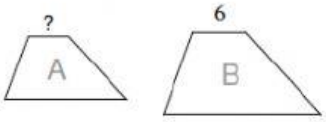
10)

scale factor from A to B = 1 : 7

11)

scale factor from A to B = 2 : 3

12)



scale factor from A to B = 1 : 2

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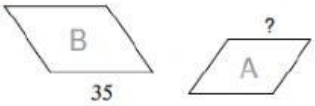
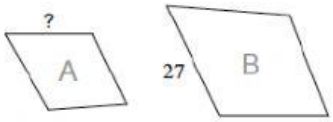
13)



scale factor from A to B = 6 : 7

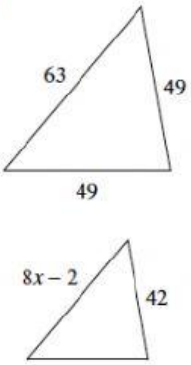
14)



scale factor from A to B = 1 : 3

Solve for x. The polygons in each pair are similar.

15)



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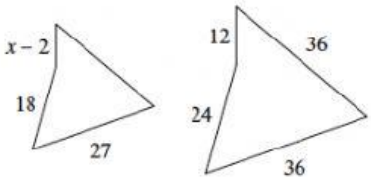

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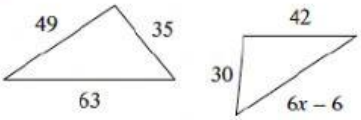

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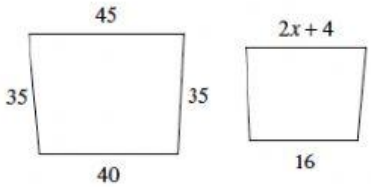
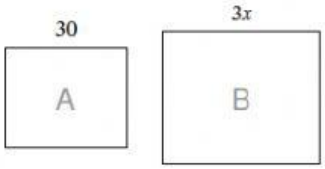


19)

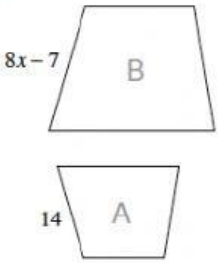
scale factor from A to B = 5 : 6

20)



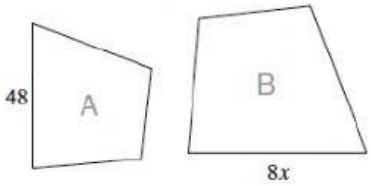
scale factor from A to B = 5 : 6

21)



scale factor from A to B = 2 : 7

22)



scale factor from A to B = 6 : 7

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