

Scale factor

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Date _____ Period _____

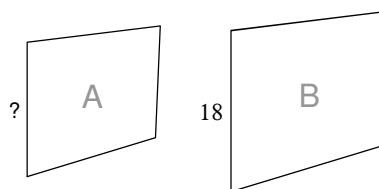
The polygons in each pair are similar. Find the missing side length.

1)



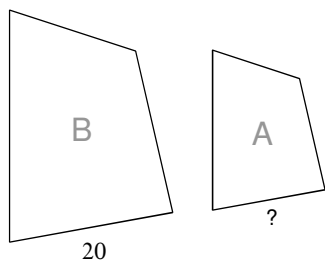
scale factor from A to B = 4 : 5

2)



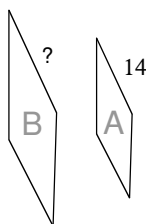
scale factor from A to B = 1 : 3

3)



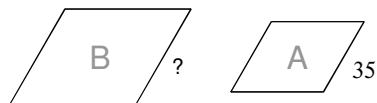
scale factor from A to B = 3 : 4

4)



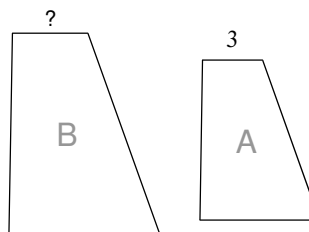
scale factor from A to B = 2 : 3

5)



scale factor from A to B = 5 : 6

6)



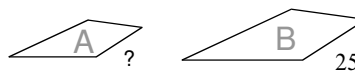
scale factor from A to B = 1 : 3

7)



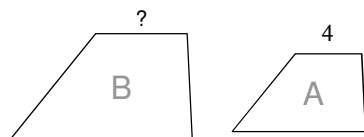
scale factor from A to B = 2 : 3

8)



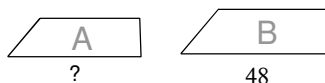
scale factor from A to B = 2 : 5

9)



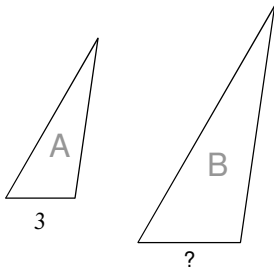
scale factor from A to B = 1 : 2

10)



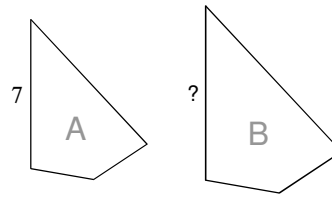
scale factor from A to B = 5 : 6

11)



scale factor from A to B = 1 : 5

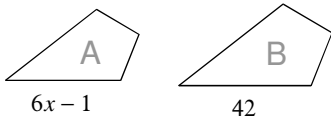
12)



scale factor from A to B = 1 : 5

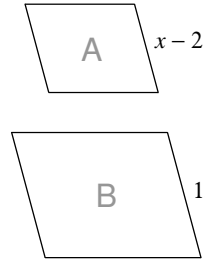
Solve for x . The polygons in each pair are similar.

13)



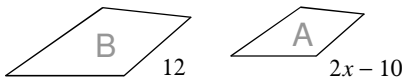
scale factor from A to B = 5 : 6

14)



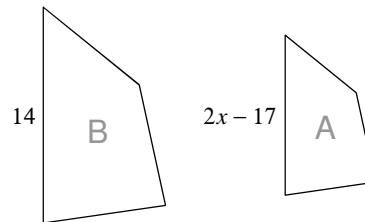
scale factor from A to B = 2 : 3

15)



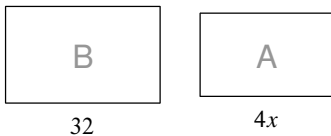
scale factor from A to B = 1 : 2

16)



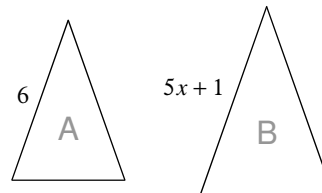
scale factor from A to B = 1 : 2

17)



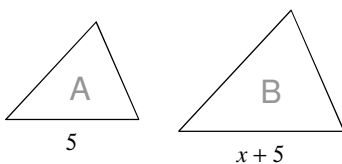
scale factor from A to B = 3 : 4

18)



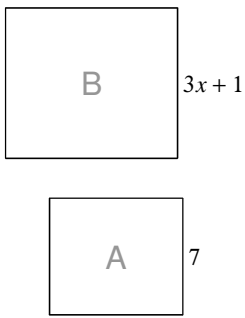
scale factor from A to B = 1 : 6

19)



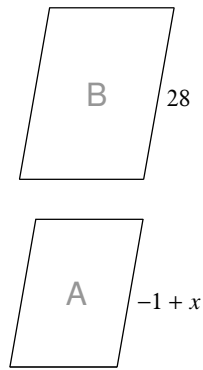
scale factor from A to B = 1 : 3

20)



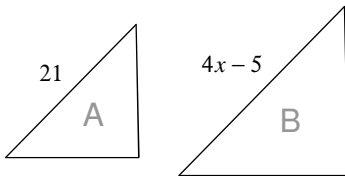
scale factor from A to B = 1 : 4

21)



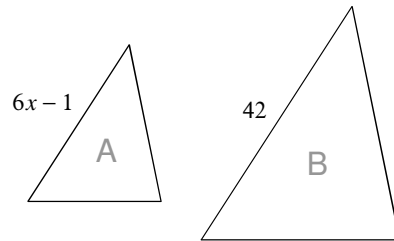
scale factor from A to B = 1 : 4

22)



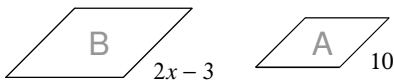
scale factor from A to B = 3 : 5

23)



scale factor from A to B = 5 : 6

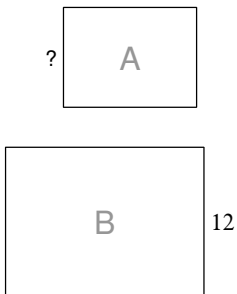
24)



scale factor from A to B = 2 : 3

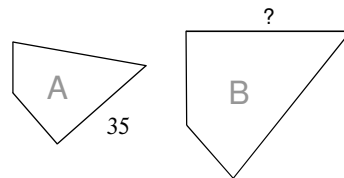
The polygons in each pair are similar. Find the missing side length.

25)



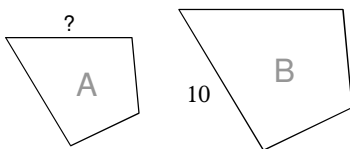
scale factor from A to B = 3 : 4

26)



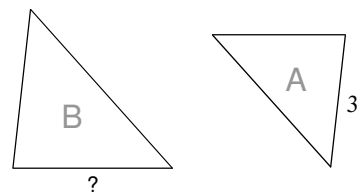
scale factor from A to B = 5 : 6

27)



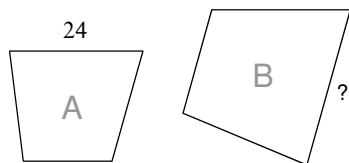
scale factor from A to B = 1 : 2

28)



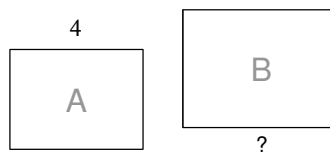
scale factor from A to B = 1 : 2

29)



scale factor from A to B = 4 : 5

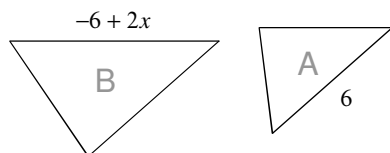
30)



scale factor from A to B = 1 : 3

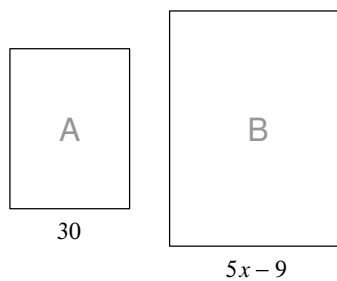
Solve for x . The polygons in each pair are similar.

31)



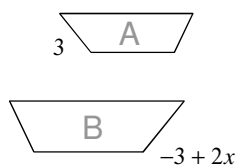
scale factor from A to B = 1 : 2

32)



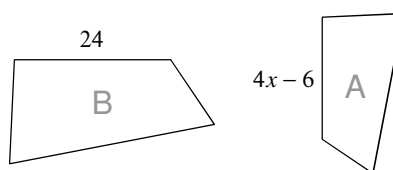
scale factor from A to B = 5 : 6

33)



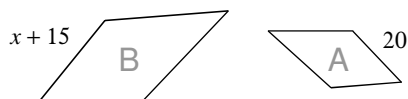
scale factor from A to B = 1 : 3

34)



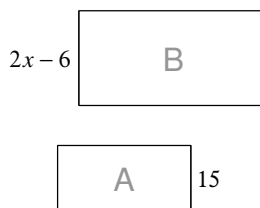
scale factor from A to B = 3 : 4

35)



scale factor from A to B = 4 : 5

36)



scale factor from A to B = 5 : 6