Find the missing sides of all triangles, state which triangle you have used to find a scale factor and why they are similar.

All shapes are **not** drawn to scale.

i2

i1

h2

h1

g

f

e

d2

d1

c

b

a

10 cm

I

H

G

D

F

E

C

20 cm

30ᵒ

40ᵒ

12 cm

18 cm

9 cm

40ᵒ

110ᵒ

110ᵒ

30ᵒ

B

5 cm

5 cm

3 cm

6 cm

9 cm

50ᵒ

60ᵒ

70ᵒ

50ᵒ

70ᵒ

60ᵒ

A

8 cm

2 cm

6 cm

5 cm

4 cm

30ᵒ

60ᵒ

60ᵒ

30ᵒ