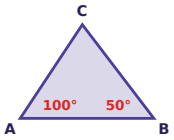
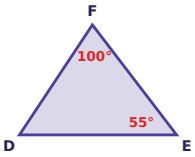
Are triangle ABC and triangle DEF similar? Write yes or no.

Triangle ABC

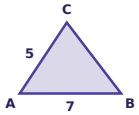


Triangle DEF

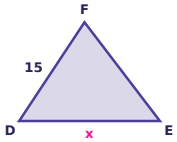


Triangle ABC is similar to triangle DEF. Find x.

Triangle ABC



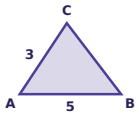
Triangle DEF



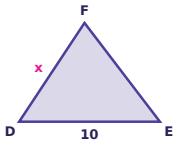
Triangle ABC is similar to triangle DEF, with A matching D, B matching E and C matching F. Angle A is 40° and angle C is 95°. What is the measure of angle D?

Triangle ABC is similar to triangle DEF. Find x.

Triangle ABC

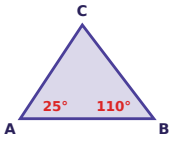


Triangle DEF

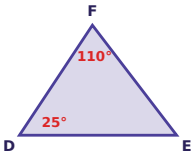


Are triangle ABC and triangle DEF similar? Write yes or no.

Triangle ABC

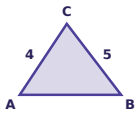


Triangle DEF

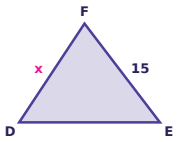


Triangle ABC is similar to triangle DEF. Find x.

Triangle ABC



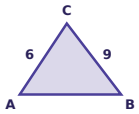
Triangle DEF



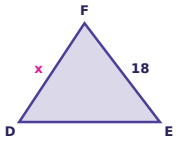
Triangle ABC is similar to triangle DEF, with A matching D, B matching E and C matching F. Angle A is 80° and angle B is 65°. What is the measure of angle F?

Triangle ABC is similar to triangle DEF. Find x.

Triangle ABC



Triangle DEF



Angle-Angle Similarity & Similar Triangles · 2

ANSWER

21

Angle-Angle Similarity & Similar Triangles · 1

ANSWER

no

Angle-Angle Similarity & Similar Triangles · 4

ANSWER

6

Angle-Angle Similarity & Similar Triangles · 3

ANSWER

40°

Angle-Angle Similarity & Similar Triangles · 6

ANSWER

12

Angle-Angle Similarity & Similar Triangles · 5

ANSWER

yes

Angle-Angle Similarity & Similar Triangles · 8

ANSWER

12

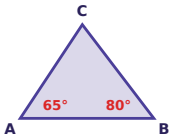
Angle-Angle Similarity & Similar Triangles · 7

ANSWER

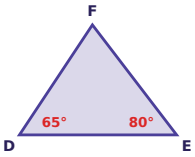
35°

Are triangle ABC and triangle DEF similar? Write yes or no.

Triangle ABC

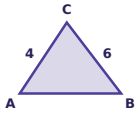


Triangle DEF

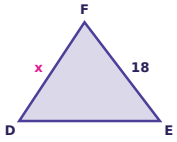


Triangle ABC is similar to triangle DEF. Find x.

Triangle ABC



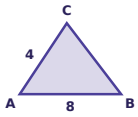
Triangle DEF



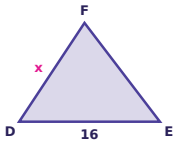
Triangle ABC is similar to triangle DEF, with A matching D, B matching E and C matching F. Angle C is 100° and angle B is 25°. What is the measure of angle F?

Triangle ABC is similar to triangle DEF. Find x.

Triangle ABC

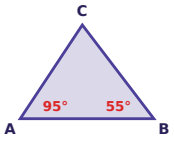


Triangle DEF

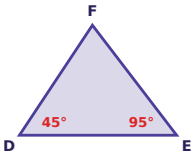


Are triangle ABC and triangle DEF similar? Write yes or no.

Triangle ABC

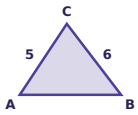


Triangle DEF

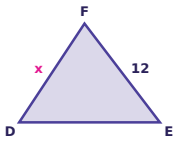


Triangle ABC is similar to triangle DEF. Find x.

Triangle ABC



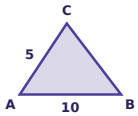
Triangle DEF



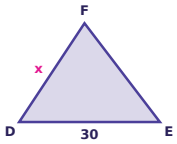
Triangle ABC is similar to triangle DEF, with A matching D, B matching E and C matching F. Angle B is 45° and angle C is 50°. What is the measure of angle D?

Triangle ABC is similar to triangle DEF. Find x.

Triangle ABC



Triangle DEF



Angle-Angle Similarity & Similar Triangles · 10

ANSWER

12

Angle-Angle Similarity & Similar Triangles · 9

ANSWER

yes

Angle-Angle Similarity & Similar Triangles · 12

ANSWER

8

Angle-Angle Similarity & Similar Triangles · 11

ANSWER

100°

Angle-Angle Similarity & Similar Triangles · 14

ANSWER

10

Angle-Angle Similarity & Similar Triangles · 13

ANSWER

no

Angle-Angle Similarity & Similar Triangles · 16

ANSWER

15

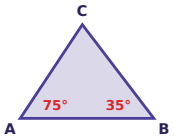
Angle-Angle Similarity & Similar Triangles · 15

ANSWER

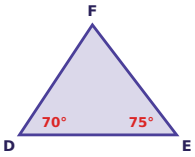
85°

Are triangle ABC and triangle DEF similar? Write yes or no.

Triangle ABC

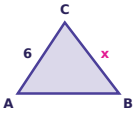


Triangle DEF

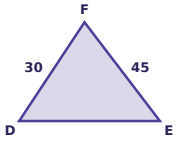


Triangle ABC is similar to triangle DEF. Find x.

Triangle ABC



Triangle DEF



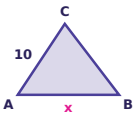
A street sign that is 6 feet tall casts a shadow 4 feet long. At the same time, a building that is 18 feet tall casts a shadow. The two triangles are similar. How many feet long is the shadow of the building?

Triangle ABC is similar to triangle DEF, with A matching D, B matching E and C matching F. Angle C is 70° and angle E is 45°. What is the measure of angle A?

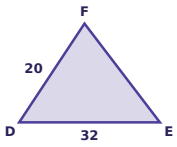
One right triangle has an acute angle of 24°. Another right triangle has an acute angle of 76°. Are the two triangles similar? Write yes or no.

Triangle ABC is similar to triangle DEF. Find x.

Triangle ABC



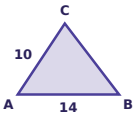
Triangle DEF



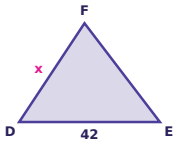
A pole that is 6 feet tall casts a shadow 9 feet long. At the same time, a tree that is 22 feet tall casts a shadow. The two triangles are similar. How many feet long is the shadow of the tree?

Triangle ABC is similar to triangle DEF. Find x.

Triangle ABC



Triangle DEF



Angle-Angle Similarity & Similar Triangles · 18

ANSWER

9

Angle-Angle Similarity & Similar Triangles · 17

ANSWER

yes

Angle-Angle Similarity & Similar Triangles · 20

ANSWER

65°

Angle-Angle Similarity & Similar Triangles · 19

ANSWER

12

Angle-Angle Similarity & Similar Triangles · 22

ANSWER

16

Angle-Angle Similarity & Similar Triangles · 21

ANSWER

no

Angle-Angle Similarity & Similar Triangles · 24

ANSWER

30

Angle-Angle Similarity & Similar Triangles · 23

ANSWER

33