## Identify similar shapes and show shapes are similar

Maths

Mr Chan

## Identify similar shapes and show shapes are similar

1. Decide which two shapes are similar in each set.

b)

c)

2. Decide if these pairs of triangles are similar. How did you decide?
a)


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3. For each pair of shapes decide if they are similar. How did you decide?
a)

b)


4. Ben says If two angles are the same
in a pair of triangles, then
the triangles must be
similar.

Amy says If two side lengths are the same in a pair of triangles, they also must be similar.
a) Is Ben correct? Give a reason.
b) Is Amy correct? Give a reason.

Answers

## Identify similar shapes and show shapes are similar

1. Decide which two shapes are similar in each set.

b)

c)

2. Decide if these pairs of triangles are similar. How did you decide?
a)


Yes, all three angles are equal in each.
b)


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3. For each pair of shapes decide if they are similar. How did you decide?
a)

b)



No, each
corresponding side has a scale factor of
2 apart from
$A D$ and $E H$


Yes, each
corresponding
side has a scale factor of 3
4. Ben says

