Find missing angles in a triangle
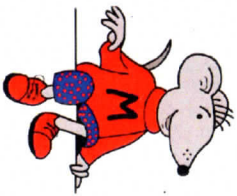
When you know that the angles of a triangle add up to 180° you can find missing angles.
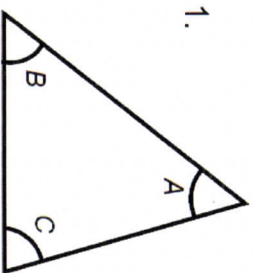
If a triangle has angles A = 60° and B = 40°. What is angle C?

This is how you do it:

Add angle A and B = 60° + 40°. That makes 100°.

Subtract 100° from 180° = 180° - 100°. That makes 80°. Angle C is 80°.

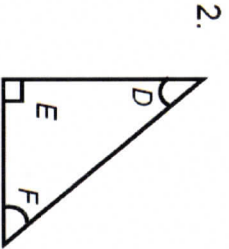Find the missing angles in these triangles and show your working out.
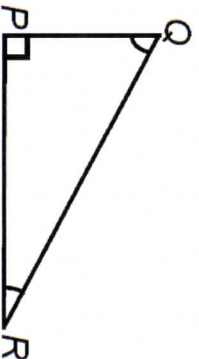
1.

angle A = 52°

angle B = 58°

angle C = ...

Show your working out:

2.

angle D = 23°

angle E = 90°

angle F = ...

Show your working out:

3.

angle P = 90°

angle Q = ...

angle R = 38°

Show your working out:

4. A triangle has two equal angles of 46°.

What is the third angle? ....

Show your working out: