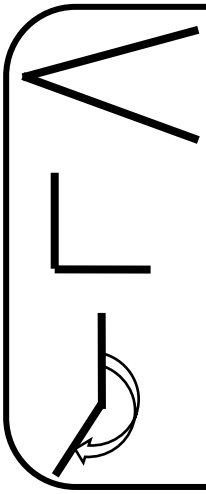
Developing

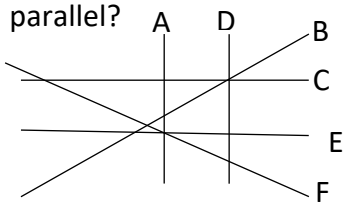


Which type of angles are these and how do you know what type they are?

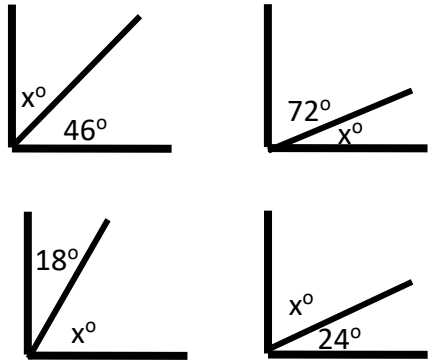
Using a protractor, can you draw the following angles:

a) 78°
b) 145°
c) 255°

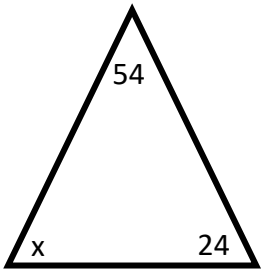
Which of these lines are parallel?

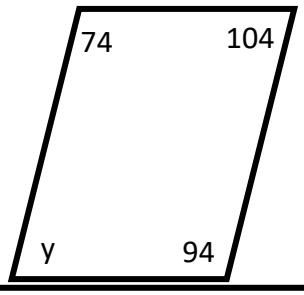


Find the missing angle:



Securing





What is the sum of the interior angles of these shapes?

1) Hexagon
2) Pentagon
3) 10 sided shape
4) 100 sided shape

What is the size of one interior angle in these shapes?

a) Octagon
b) 9 sided shape
c) 18 sided shape

What is the size of one exterior angle in these shapes?

d) Hexagon
e) Octagon
f) 24 sided shape

Mastering

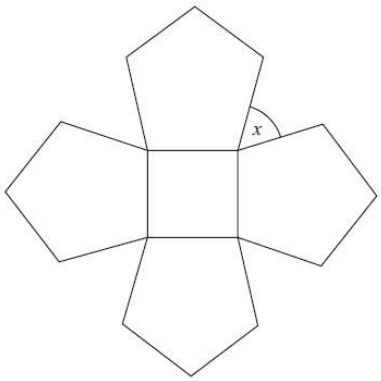


Diagram **NOT** accurately drawn

The diagram shows a square and 4 regular pentagons.

Work out the size of the angle marked *x*.

1) The interior angle of a regular polygon shape is 162°.
What is the exterior angle?

How many sides does the shape have?

What is the sum of the interior angles?

2) The interior angle of a regular polygon shape is 174°.
What is the exterior angle?

How many sides does the shape have?

What is the sum of the interior angles?

3) The interior angle of a regular polygon shape is 172.8°.
What is the sum of the angles?

How many sides does the shape have?

What is the sum of the interior angles?