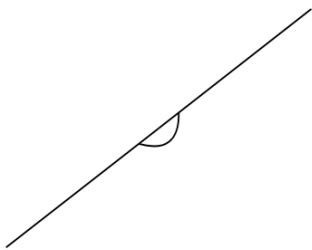




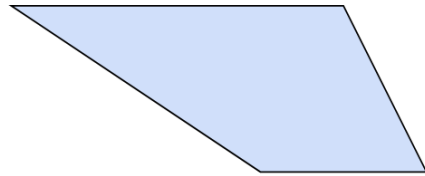
Geometry

1 Name the type of angle



- | | |
|---|----------|
| A | straight |
| B | obtuse |
| C | acute |
| D | right |

2 Name the type of shape



- | | | |
|-------------|-----------|-----------------|
| A Rectangle | B Rhombus | C Parallelogram |
| D Kite | E Square | F Trapezoid |

3 Find the image that shows an example of the type of angle

Right

A



B



C

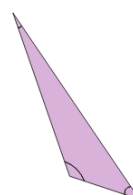


4 What shape is this object?



- | | |
|---|-----------|
| A | Square |
| B | Trapezoid |

5 Name the type of triangle based on its angles: Acute = all angles less than 90° , Right = one right angle, Obtuse = one angle more than 90°

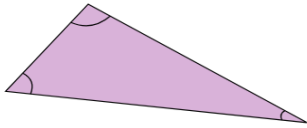


- | | |
|---|-----------------|
| A | right triangle |
| B | obtuse triangle |
| C | acute triangle |



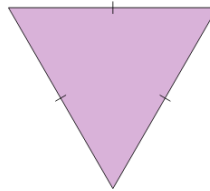
Geometry

6 Choose the right description of the triangle based on its angles



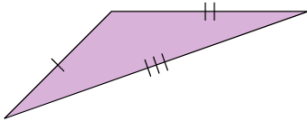
- A One angle equal to 90°
- B All angles are less than 90°
- C One angle is more than 90°

7 Name the type of triangle based on its sides: Equilateral = 3 identical sides, Isosceles = 2 identical sides, Scalene = all different sides.



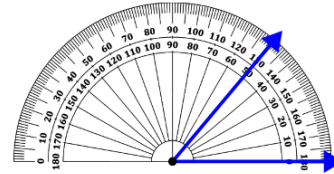
- A scalene
- B equilateral
- C isosceles

8 Choose the right description of the triangle based on its sides



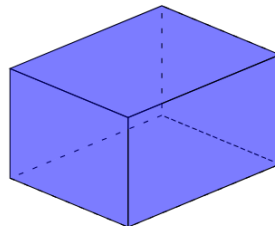
- A Two sides are the same length and one is different
- B All sides are a different length
- C All sides are the same length

9 Measure the angle using the protractor



- | | | |
|---------------|--------------|---------------|
| A 180° | B 50° | C 175° |
| D 200° | E 25° | F 150° |

10 What net would make this 3D shape?



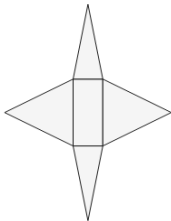


Geometry

11 What net would make this 3D shape?

Cone

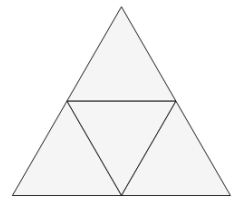
A



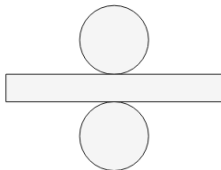
B



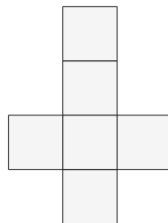
C



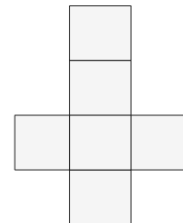
D



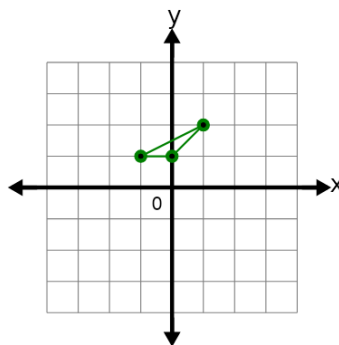
E



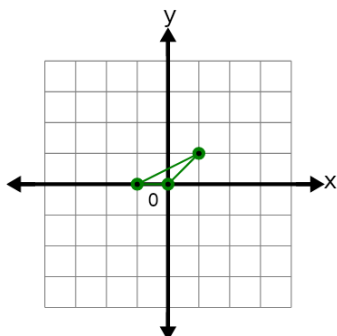
F



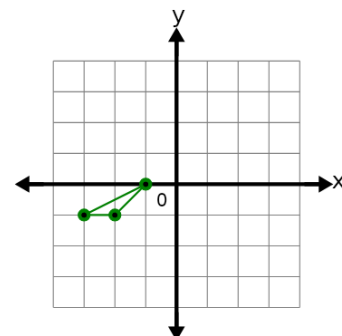
12 Translate this shape by down 1



A



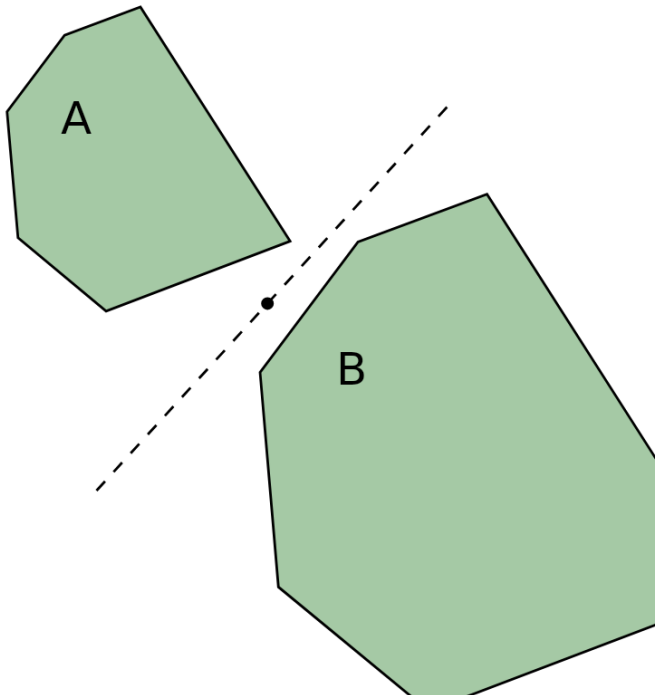
B





Geometry

13 Identify the transformation that changes shape A into shape B



A

Rotation

B

Dilation

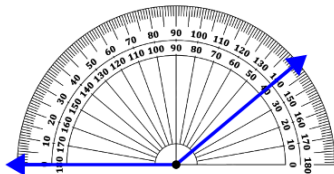
C

Translation

D

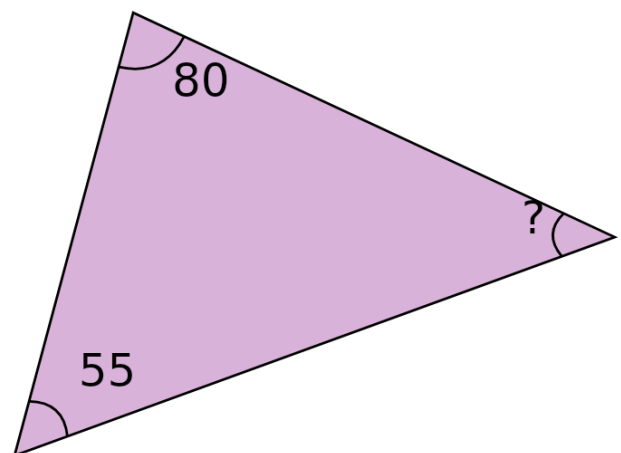
Reflection

14 Measure the angle using the protractor



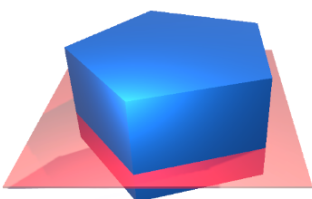
A	20°	B	170°	C	100°
D	75°	E	140°	F	50°

15 Find the missing angle of the triangle



A	20	B	50	C	70
D	15	E	30	F	45

16 What shape is formed by the cross section of this Pentagonal Prism?

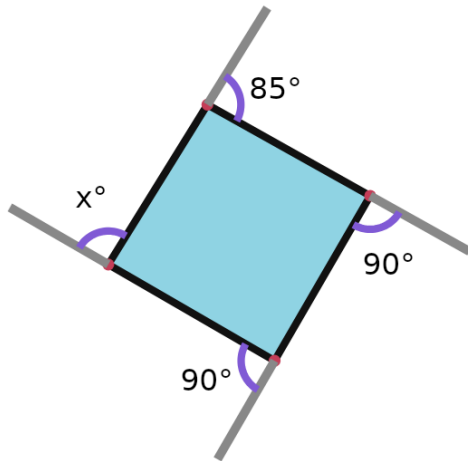


A	
B	



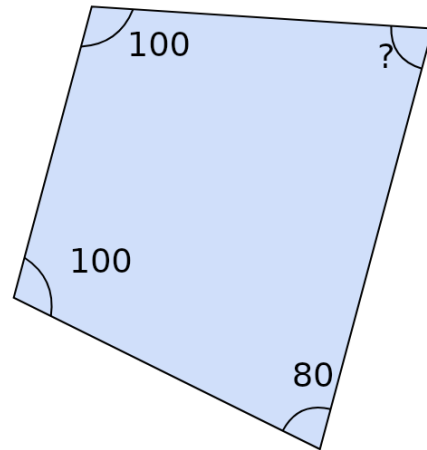
Geometry

17 What is the missing exterior angle?



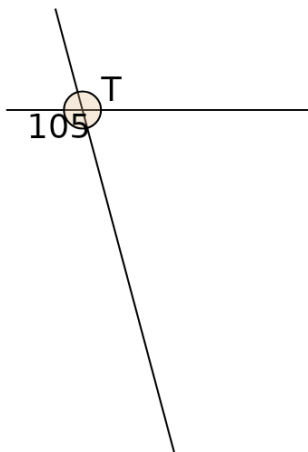
A 95°	B 155°	C 35°
D 115°	E 135°	F 75°

18 Find the missing angle of the trapezoid



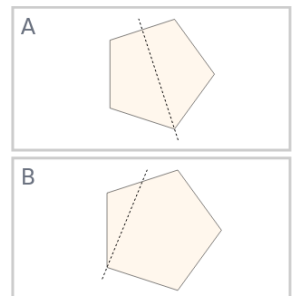
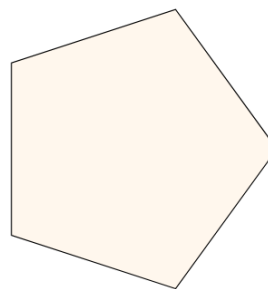
A 84	B 92	C 72
D 80	E 88	F 64

19 What do we know about angle 'T'?

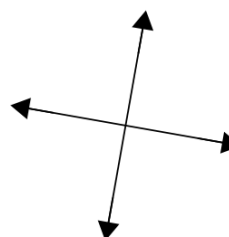


A 60	B 165	C 105
D 75	E 15	F 90

20 Where is a line of symmetry on this Pentagon?



21 Identify whether these lines are parallel, perpendicular, or intersecting

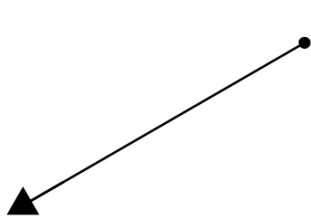


A intersecting
B parallel
C perpendicular



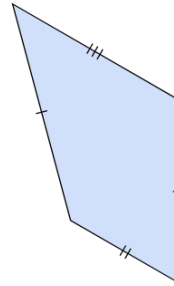
Geometry

22 Identify whether this is a line, a segment, or a ray



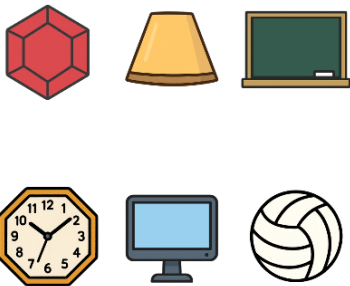
- | | |
|---|---------|
| A | ray |
| B | segment |
| C | line |

23 Is the shape a parallelogram



- | | |
|---|---------------------|
| A | Not a Parallelogram |
| B | Parallelogram |

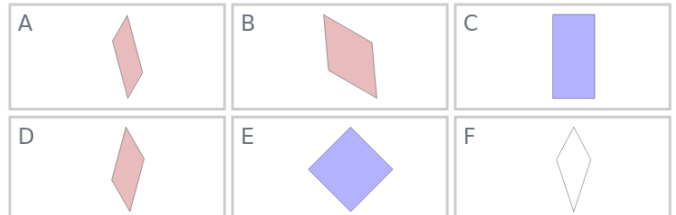
24 How many objects have a rectangular shape?



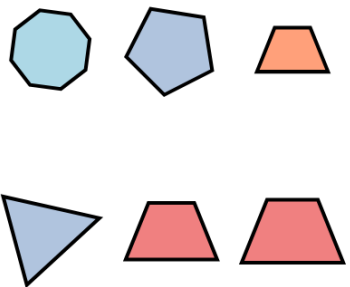
- | | |
|---|---|
| A | 0 |
| B | 2 |
| C | 6 |
| D | 1 |

25 Select the shape that is named

Kite

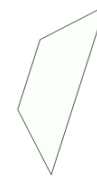


26 How many trapezoids are there?



- | | |
|---|---|
| A | 3 |
| B | 4 |
| C | 2 |
| D | 6 |

27 Name the type of shape



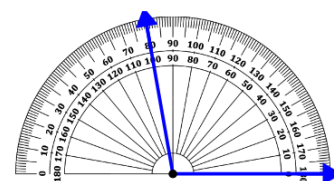
- | | | |
|---------------------|-------------------------|---------------------------|
| A Irregular octagon | B Irregular pentagon | C Irregular quadrilateral |
| D Regular octagon | E Regular quadrilateral | F Regular hexagon |

28 How many orders of rotation symmetry does this picture have?



- | | | | | | |
|---|---|---|----|---|----|
| A | 8 | B | 5 | C | 7 |
| D | 4 | E | 10 | F | 12 |

29 Measure the angle using the protractor

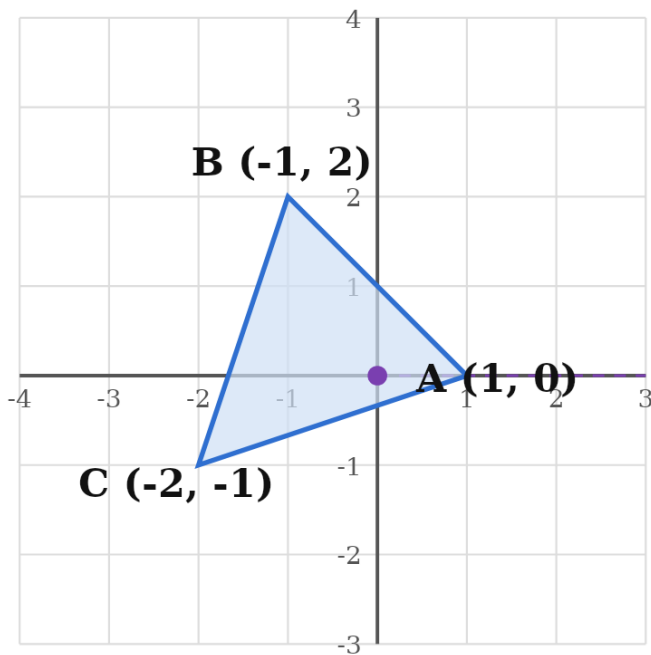


- | | | | | | |
|---|------|---|------|---|------|
| A | 100° | B | 145° | C | 50° |
| D | 5° | E | 60° | F | 125° |



Geometry

30 Triangle ABC is dilated about the center $(0, 0)$ with a scale factor of 3. What are the coordinates of A' , the image of A ?



A

 $(3, 0)$

B

 $(6, 1)$

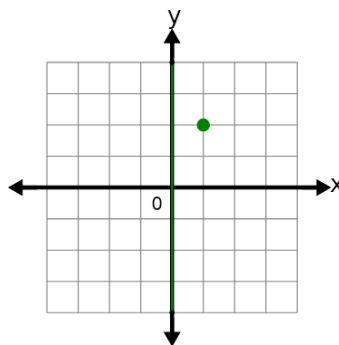
C

 $(0, -1)$

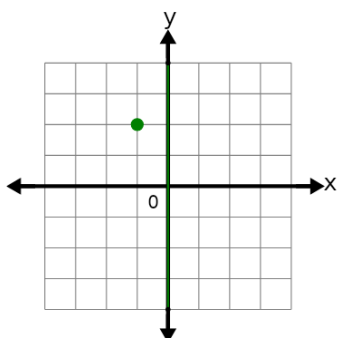
D

 $(3, 1)$

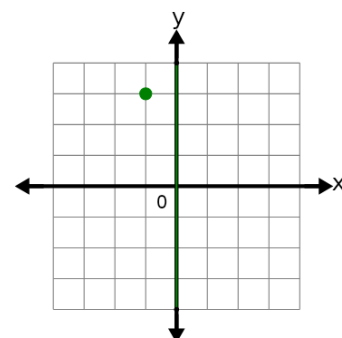
31 Reflect this point across the Y axis



A



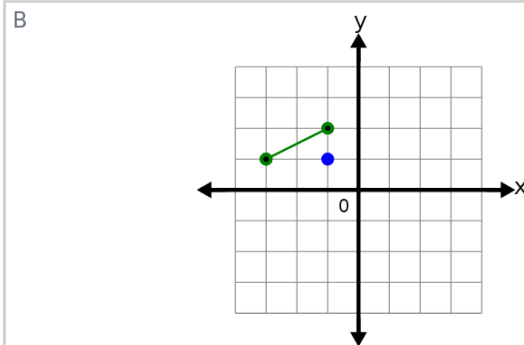
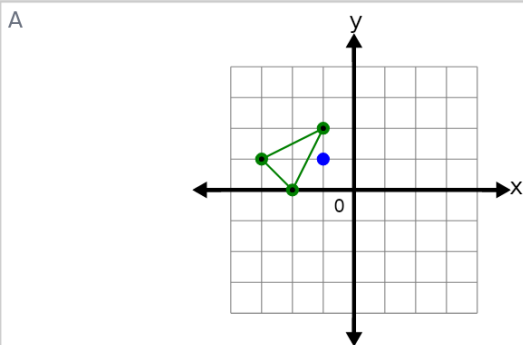
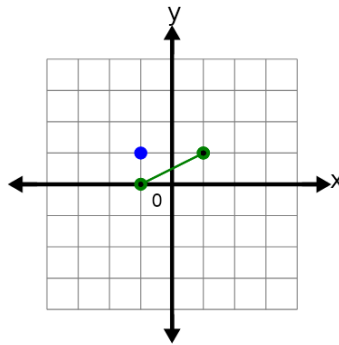
B



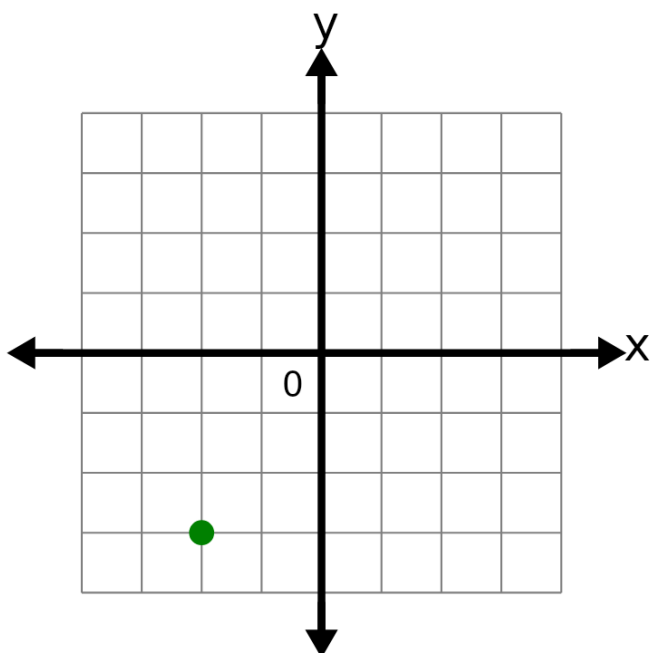


Geometry

32 Rotate this shape by 180° counter-clockwise about point $(-1,1)$



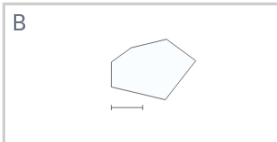
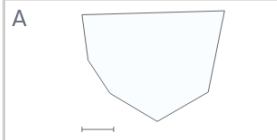
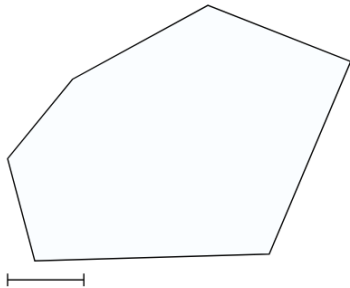
33 Translate this point by right 1, up 2



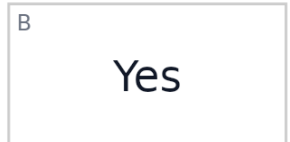
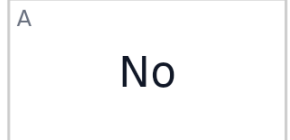
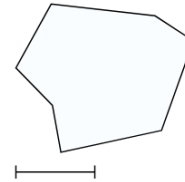
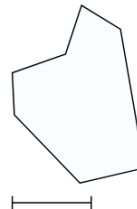


Geometry

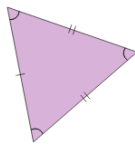
34 Which image is similar to this shape?



35 Are these shapes similar?



36 Name the type of triangle based on its sides and angles



A obtuse equilateral

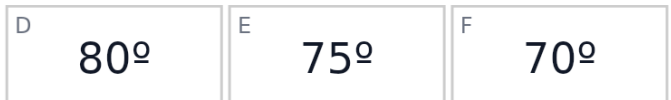
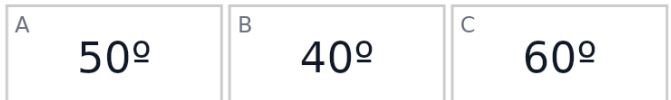
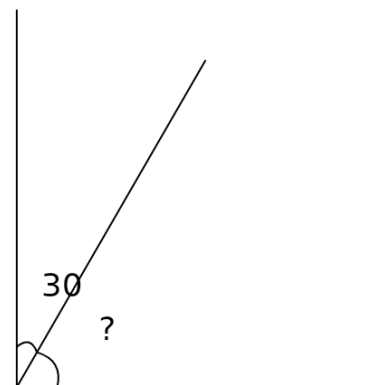
B right equilateral

C right scalene

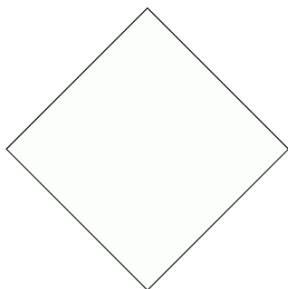
D obtuse scalene

E acute isosceles

37 A 90° angle is made up of a 30° angle and another angle. How many degrees is the other angle?



38 Name the type of shape



A hexagon

B pentagon

C quadrilateral

D octagon

39 A 180° angle is made up of a 80° angle and another angle. How many degrees is the other angle?

