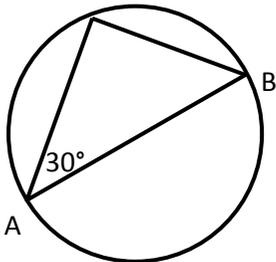# Circles and Angle Properties
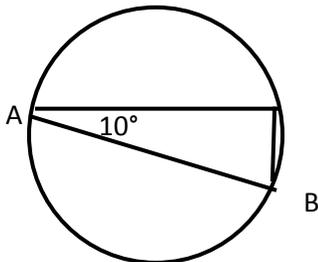
Exercise 1 – Angle in a Semi-Circle

Copy each diagram and fill in the sizes of all the angles.
The line AB is a diameter.
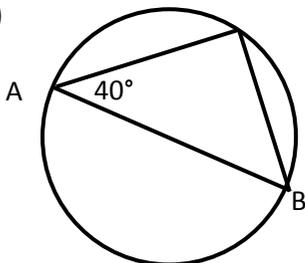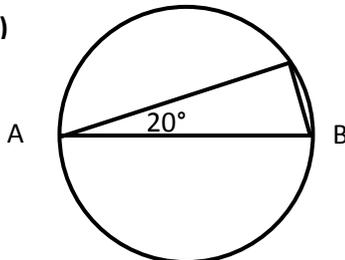
1)

2)

3)

4)

5)
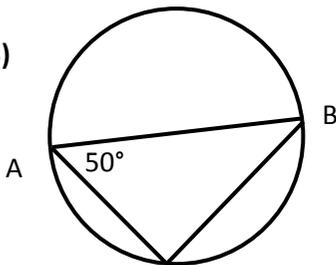
6)
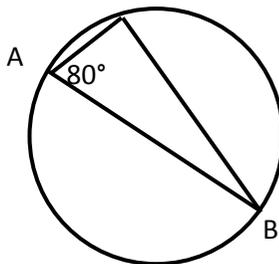
7)

8)

Exercise 2 – Angle in a Semi-Circle

Copy each diagram and fill in the sizes of all the angles.
The line AB is a diameter.

1)

2)

3)

4)

5)

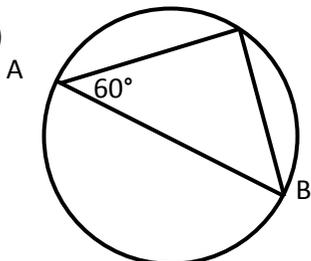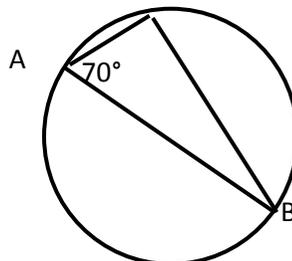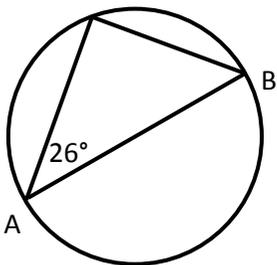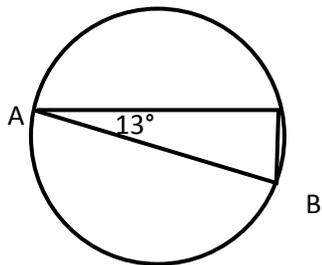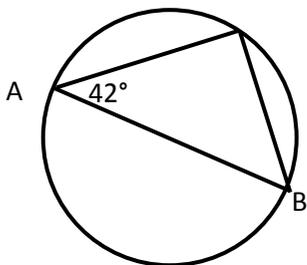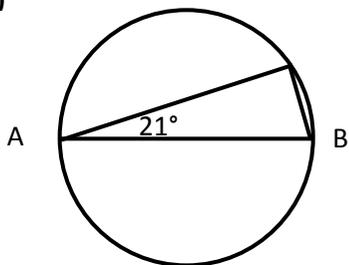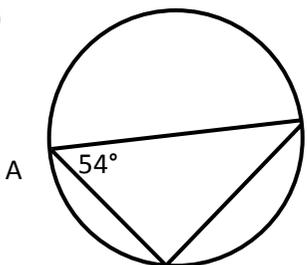**6)**
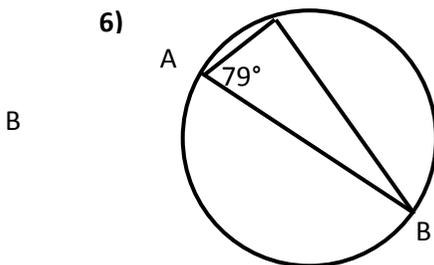
7)
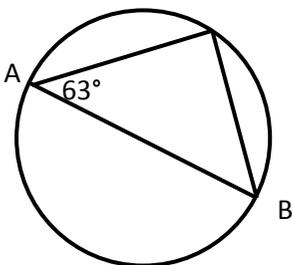
8)
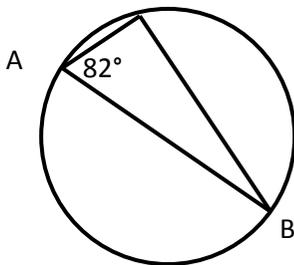
Exercise 3 – Tangent/Radius

Copy each diagram and fill in the size of all the angles.
The point O is the centre and TP is a tangent to the circle.

1)

2)

3)

4)

5)

6)

7)

8)
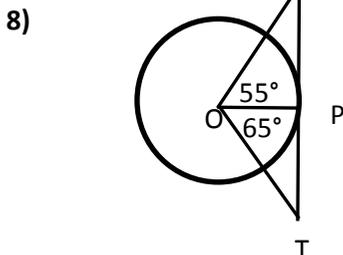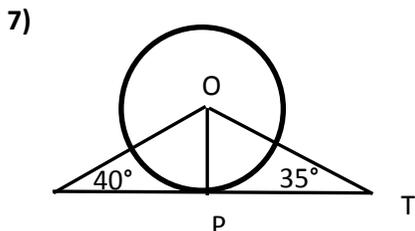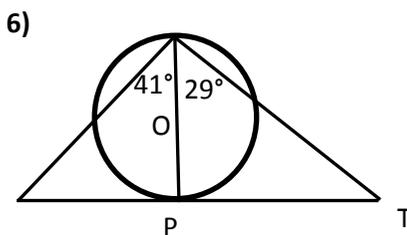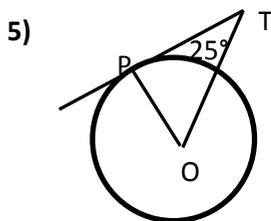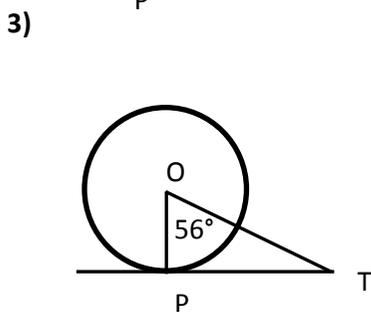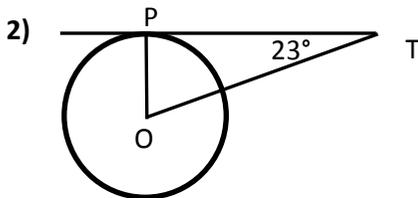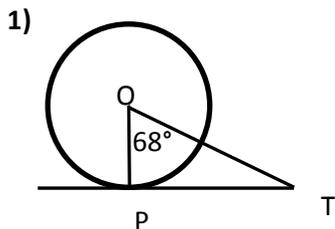
Exercise 4 – Opposite Angles

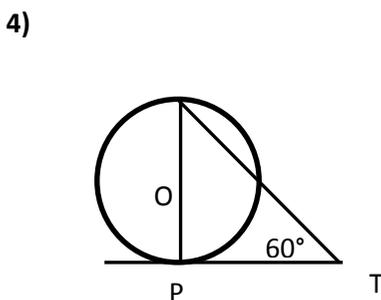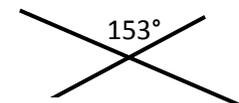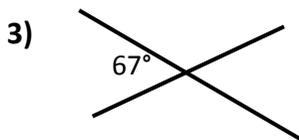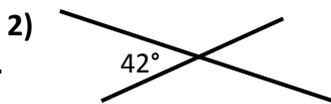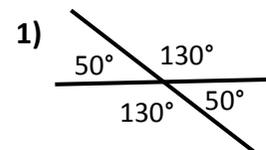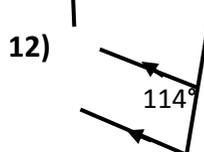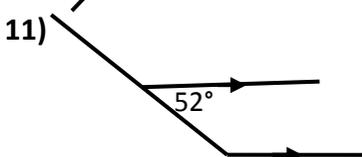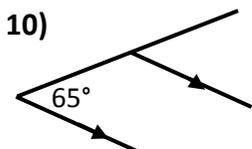Copy the following diagrams into your jotter and fill in the sizes of all the angles.
The first one has been done for you.

1) 50° 130° 130° 50°

2) 42°

3) 67°

4) 153°

5) 161°

6) 77°
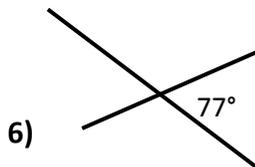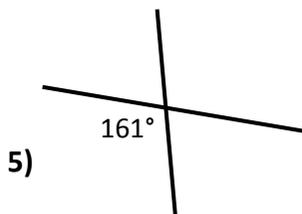
Exercise 5 – Corresponding Angles

Copy the following diagrams into your jotter and fill in the sizes of all the angles.
The first one has been done for you.

1) 100° 80° 100°

2) 113°

3) 121°

4) 134°

5) 71°

6) 67°

7) 42°

8) 148°

9)

10) 65°

11) 52°

12) 114°
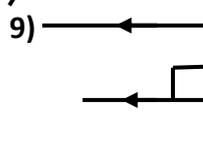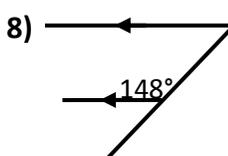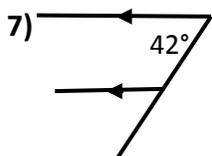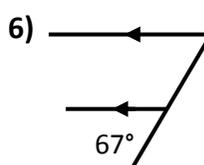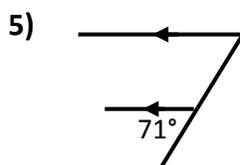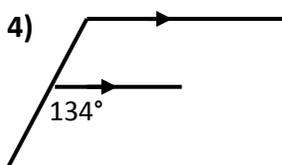
Exercise 6 – Alternate Angles

Copy the following diagrams into your jotter and fill in the sizes of all the angles.
The first one has been done for you:-

1) 50° 50°

2) 65°

3) 70°

4) 110°

5) 45°

6)

7) 150°

8) 161°

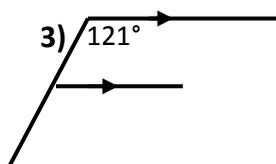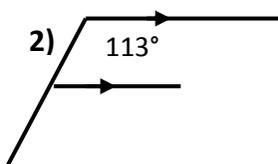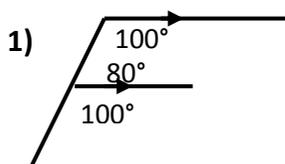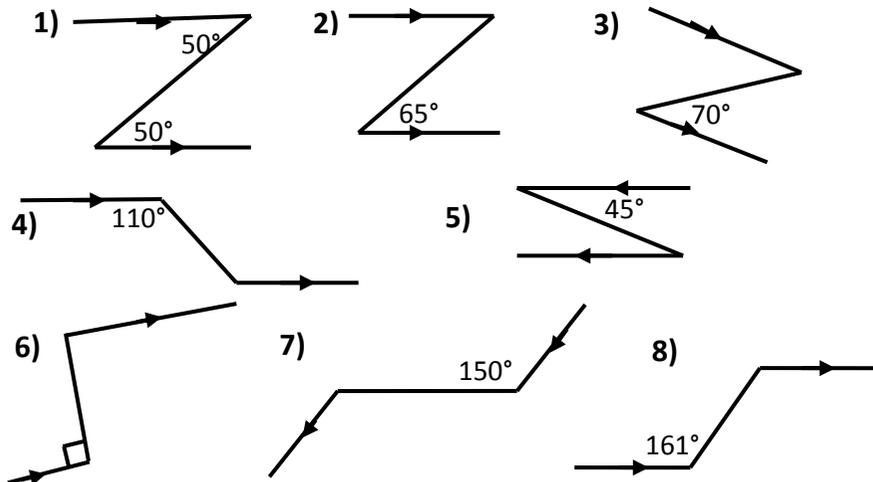# Exercise 7 – Angles in Shapes

Copy the following diagrams into your jotter and fill in the sizes of all the angles:-

1)

2)

3)

4)

5)

6)

7)

8)

9)