Bounds

All dimensions have been rounded to the nearest centimetre. Calculate the error interval for the area of each shape.

Q1
35
20

Q2
50
28

Q3
30
15

Q4
25
35

Q5
16
40

Q6
18
23

Q7
R 20

Q8
R15

Q9
R45

Q10
R 20

Q11
R 18

Q12
R 40

Q13
60
30
15
30

Q14
75
50
20
35
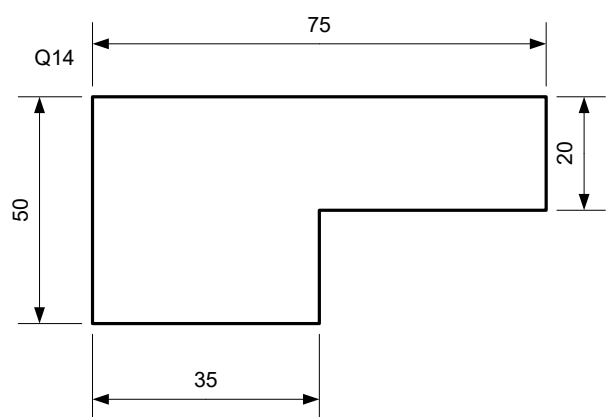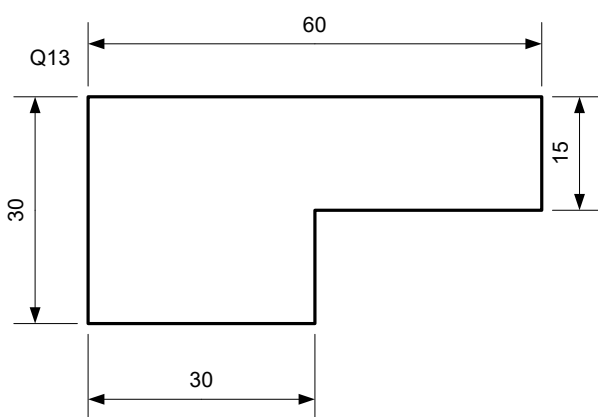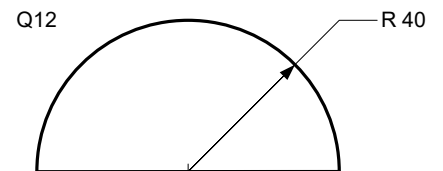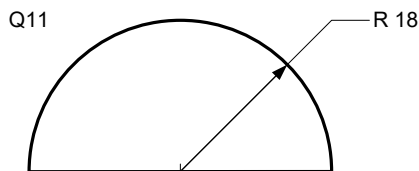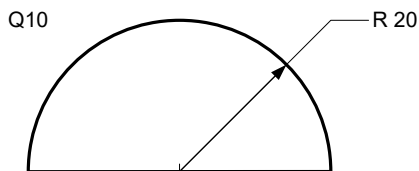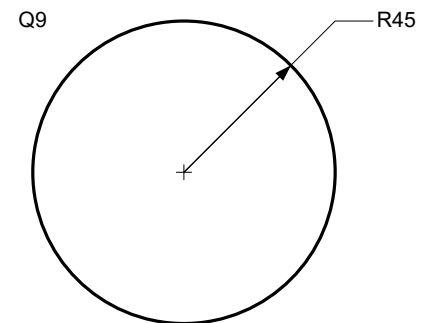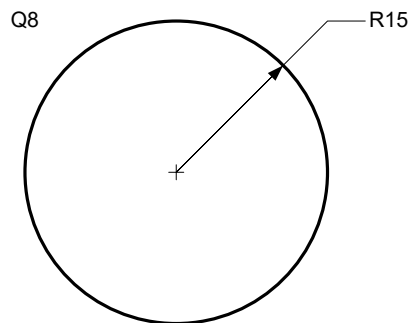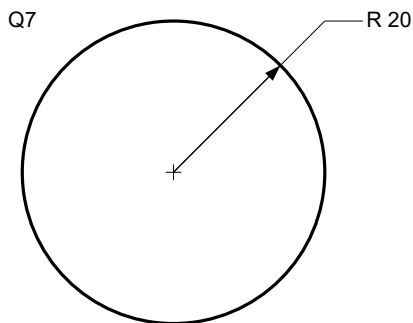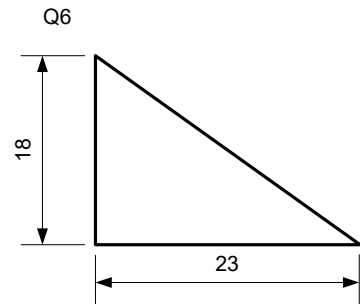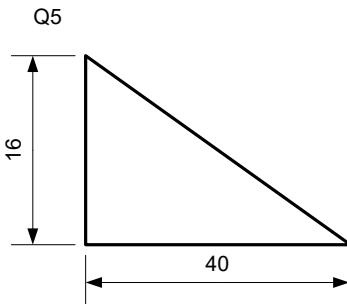
Help Notes

1.   Find the upper and lower bound of each dimension.
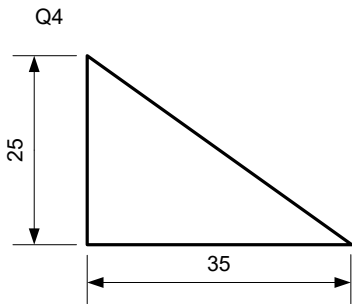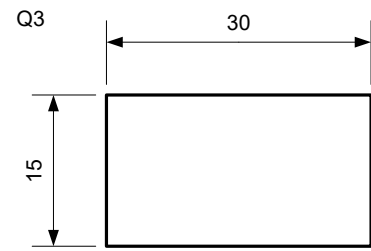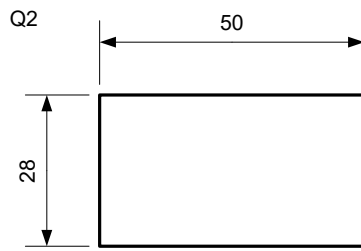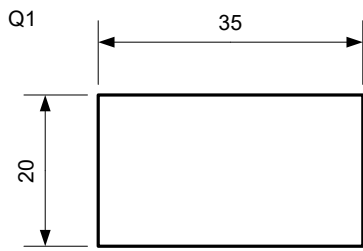2.   Find the calculation to do the area.
3.   Work out the upper bound for the area of each shape.
4.   Work out the lower bound for the area of each shape.
5.   Write out the error interval in terms of   XXXXXX $\leq$ Area $<$ XXXXXX

achildsguideto