Answer each question...

1. What is the sum of the interior angles of an Octagon?

2. What is the sum of the interior angles of a Decagon?

3. What is the sum of the interior angles of a Dodecagon? (12sides)

4. What is the sum of the interior angles of a Nonagon? (9sides)

5. What is the sum of the interior angles of a 13-gon?

6. What is the sum of the interior angles of a 19-gon?

7. What is the sum of the interior angles of a quadrilateral?

8. What is the sum of the interior angles of a Heptagon? (7sides)

257

Bubble all the correct answers from above. Don't bubble incorrect answers.

○ 1,980   ○ 360   ○ 1,220   ○ 1,350   ○ 900   ○ 3,060   ○ 1,280   ○ 1,260   ○ 1,880   ○ 1540   ○ 1,080   ○ 1,440   ○ 1,800   ○ 720

Answer each question...

9. What is the measure of one interior angle of a regular Octagon?

10. What is the measure of one interior angle of a regular Nonagon?

11. What is the measure of one interior angle of a regular quadrilateral? What other name is there for a regular quadrilateral?

12. What is the measure of one interior angle of a regular 19-gon?

13. What is the measure of one interior angle of a regular Decagon?

14. What is the measure of one interior angle of a regular Heptagon?

15. What is the measure of one interior angle of a regular 11-gon?

16. What is the measure of one interior angle of a regular Dodecagon?

Bubble all the correct answers from above. Don't bubble incorrect answers.

○	○	○	○	○	○	○	○	○	○	○	○	○	○
148.93	128.57	144	135	161.05	157.69	147.27	139	140	150	160	137.93	90	70

17. How many sides does a polygon have if the sum of its interior angles = 900°?

What kind of polygon is this?

18. How many sides does a polygon have if the sum of its interior angles = 1,080°?

What kind of polygon is this?

19. How many sides does a polygon have if the sum of its interior angles = 3,060°?

What kind of polygon is this?

20. How many sides does a polygon have if the sum of its interior angles = 3,420°?

What kind of polygon is this?

21. How many sides does a polygon have if the sum of its interior angles = 3,240°?

What kind of polygon is this?

22. How many sides does a polygon have if the sum of its interior angles = 2,160°?

What kind of polygon is this?

23. How many sides does a polygon have if the sum of its interior angles = 3,780°?

What kind of polygon is this?

24. How many sides does a polygon have if the sum of its interior angles = 2,340°?

What kind of polygon is this?

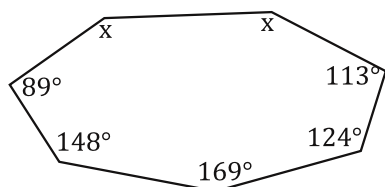Bubble all the correct answers from above. Don't bubble incorrect answers.

◯23 ◯20 ◯5 ◯8 ◯9 ◯7 ◯22 ◯21 ◯18 ◯19 ◯12 ◯15 ◯16 ◯14

For these.... find the missing angle or angles.
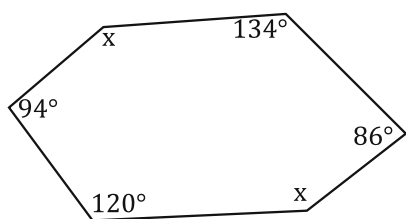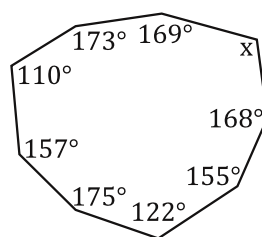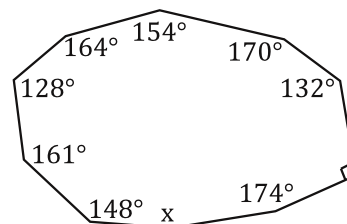
25.

26.

27.

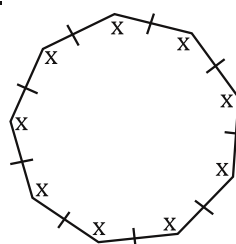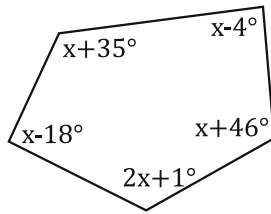28.

29.
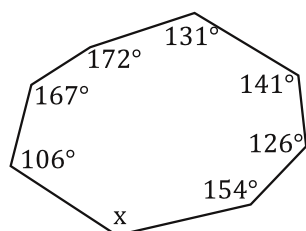
30.

260

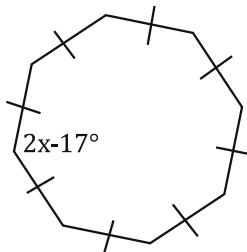Bubble all the correct answers from above. Don't bubble incorrect answers.

◯ 324.59   ◯ 84   ◯ 44.3   ◯ 143   ◯ 128.5   ◯ 119   ◯ 168   ◯ 140   ◯ 83   ◯ 31
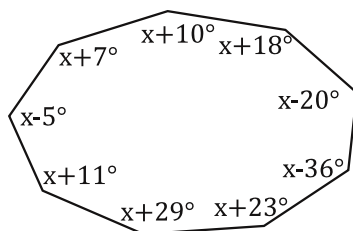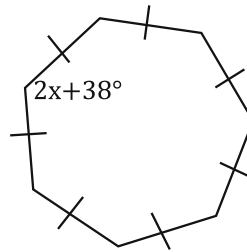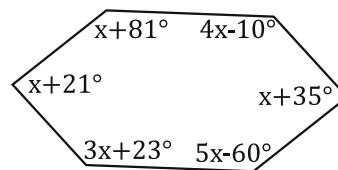
For these... solve for x.

31.

x+35°
x-4°
x-18°
x+46°
2x+1°

32.

2x+38°

33.

2x-17°

34.

x+81°   4x-10°
x+21°   x+35°
3x+23°   5x-60°

n=6
(n-2)180°
(6-2)180
4*180
720°

x+81+4x-10+x+35+5x-60+3x+23+x+21=720°
15x+90=720°
-90 -90°
15x=630°
15   15
x=42°

35.

x+7° x+10° x+18°
x-5°   x-20°
x+11°   x-36°
x+29° x+23°

36.

5x-61°

261
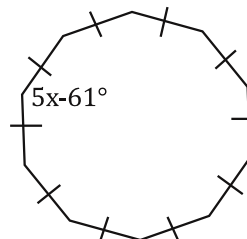
Bubble all the correct answers from above. Don't bubble incorrect answers.

○113   ○45.29   ○47.32   ○41   ○135.89 ○47   ○42   ○76   ○123.5   ○110