Write following programs in Python using If-Condition and Functions

1. Print largest and smallest values out of two.
2. Print largest and smallest values out of three.
3. Check whether a given number is odd or even.
4. Check whether a given number is divisible by 10 or not.
5. Accept age of a person. If age is less than 18, print minor otherwise Major.
6. Accept a number from the user. And print number of digits in it.
7. Accept a year value from the user. Check whether it is a leap year or not.
8. Check whether a triangle is valid or not, when the three angles of the triangle are entered through the keyboard. A triangle is valid if te sum of all the three angles is equal to 180 degrees.
9. Print absolute value of a given number.
10. Given the length and breadth of a rectangle, write a program to find whether the are of the rectangle is greater than its perimeter.
11. Given three points (x1,y1), (x2,y2) and (x3,y3), check if all the three points fall on one straight line.
12. Given the coordinates (x,y) of center of a circle and its radius, determine whether a point lies inside the circle, on the circle or outside the circle. (Hint: Use sqrt( ), pow( ) )
13. Convert number 0 to 19 to its equivalent words. E.g. 0 🡪 zero, 19🡪nineteen.
14. Accept marks of three subjects. Print total and average along with whether a candidate has passed or fail. If student secures <= 39 marks in any subject, consider him as fail. Also assigned a subject wise grade based on the following table:

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| --- | --- |
| Marks Range | Grade |
| Absent | NA |
| 0 – 39 | F |
| 40 – 44 | P |
| 45 – 49 | C |
| 50 – 54 | B |
| 55 – 59 | B+ |
| 60 – 69 | A |
| 70 – 79 | A+ |
| 80 – 100 | O |