1. **Write an expression that checks if given integer is odd or even.**
2. **Write a boolean expression that checks for given integer if it can be divided (without remainder) by 7 and 5 in the same time.**
3. **Write an expression that calculates rectangle’s area by given width and height.**
4. **Write an expression that checks for given integer if its third digit (right-to-left) is 7. E. g. 1732** 🡪 **true.**
5. **Write a boolean expression for finding if the bit 3 (counting from 0) of a given integer is 1 or 0.**
6. **Write an expression that checks if given print (x, y) is within a circle K(O, 5).**
7. **Write an expression that checks if given positive integer number n (n ≤ 100) is prime. E.g. 37 is prime.**
8. **Write an expression that calculates trapezoid's area by given sides a and b and height h.**
9. **Write an expression that checks for given point (x, y) if it is within the circle K( (1,1), 3) and out of the rectangle R(top=1, left=-1, width=6, height=2).**