Exercises

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(0, 5).

Exercises (2)

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).