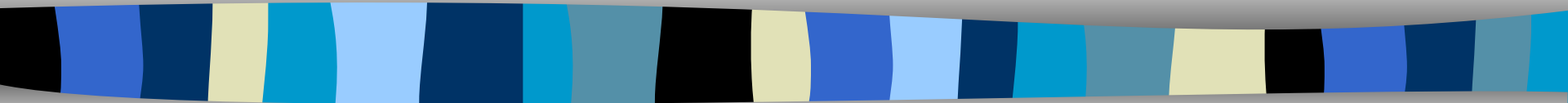
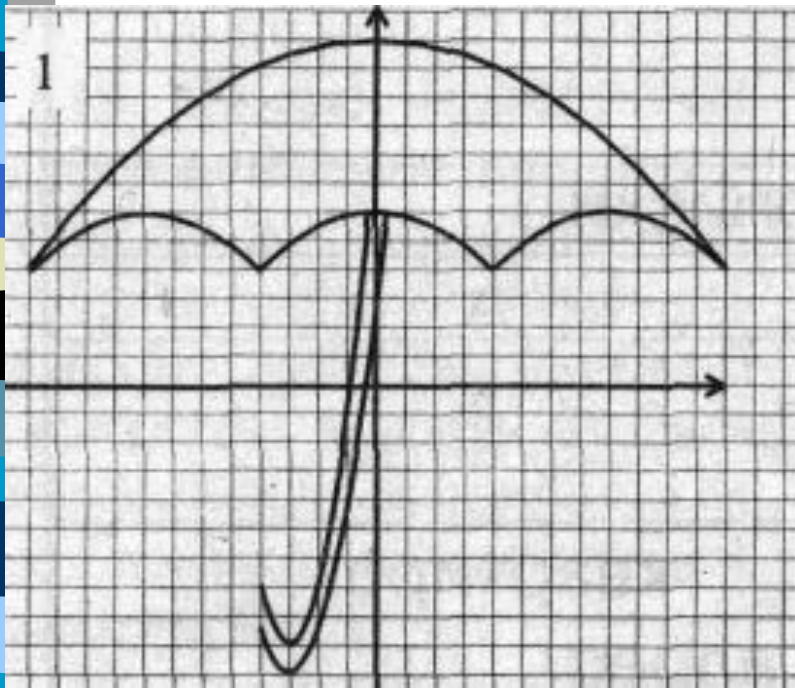


# Рисуем графиками функций



# 1. ЗОНТИК



1)  $y = -1/18 x^2 + 12, x \in [-12; 12];$

2)  $y = -1/8 x^2 + 6, x \in [-4; 4];$

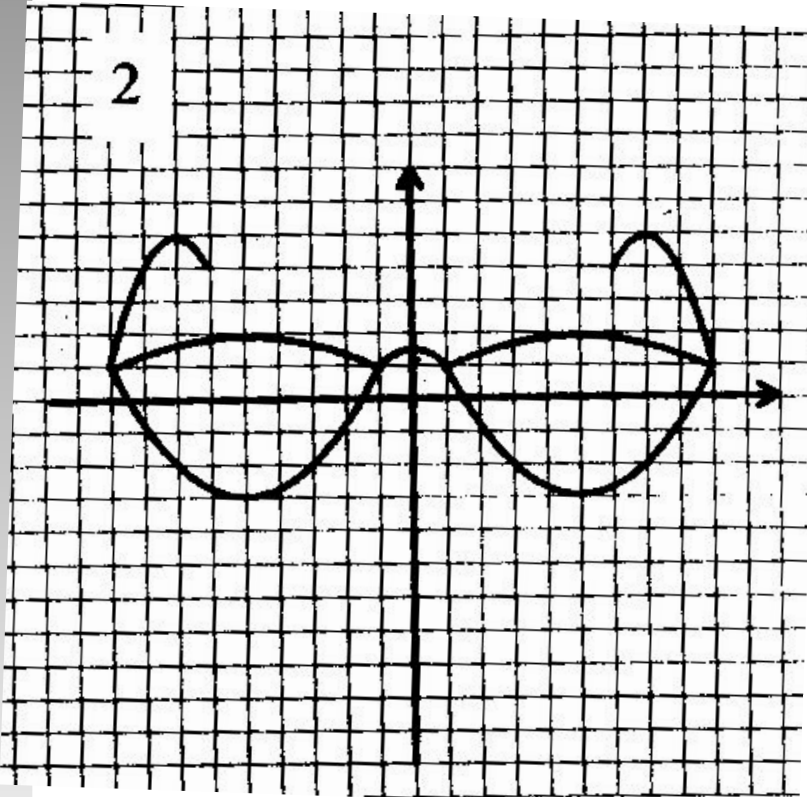
3)  $y = -1/8 (x + 8)^2 + 6,$   
 $x \in [-12; 4];$

4)  $y = -1/8 (x - 8)^2, x \in [4; 12];$

5)  $y = 2 (x + 3)^2 - 9, x \in [-4; -0,3];$

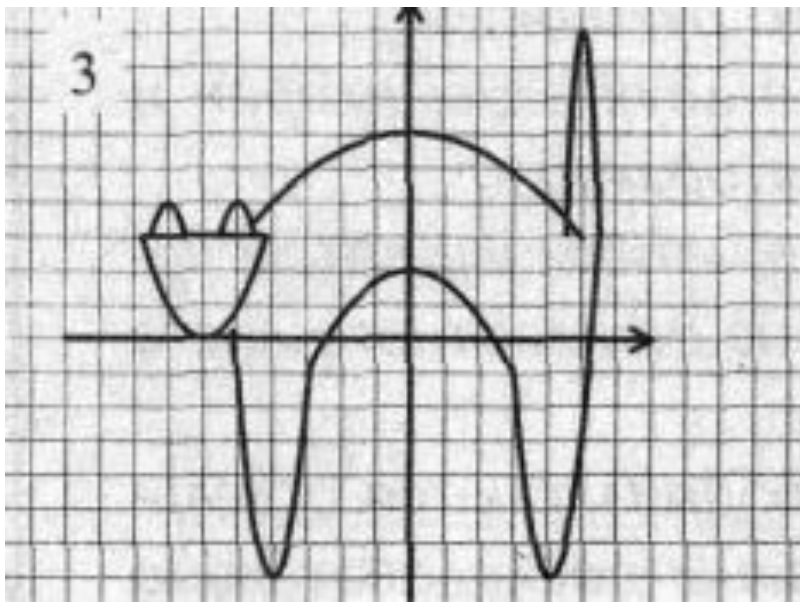
6)  $y = 1,5 (x + 3)^2 - 10,$   
 $x \in [-4; 0,2].$

## 2. Очки



- 1)  $y = -\frac{1}{16}(x + 5)^2 + 2$ ,  
 $x \in [-9; -1]$ ;
- 2)  $y = -\frac{1}{16}(x - 5)^2 + 2$ ,  
 $x \in [1; 9]$ ;
- 3)  $y = \frac{1}{4}(x + 5)^2 - 3$ ,  
 $x \in [-9; -1]$ ;
- 4)  $y = \frac{1}{4}(x - 5)^2 - 3$ ,  
 $x \in [1; 9]$ ;
- 5)  $y = -(x + 7)^2 + 5$ ,  
 $x \in [-9; -6]$ ;
- 6)  $y = -(x - 7)^2 + 5$ ,  
 $x \in [6; 9]$ ;
- 7)  $y = -0,5 - x^2 + 1,5$ ,  
 $x \in [-1; 1]$ .

# 3. Кошка



1)  $y = -\frac{3}{25}x^2 + 6, x \in [-4,6; 5];$

2)  $y = -\frac{1}{3}x^2 + 2, x \in [-3; 3];$

3)  $y = 6(x + 4)^2 - 7,$   
 $x \in [-5,1; -3];$

4)  $y = 6(x - 4)^2 - 7, x \in [3; 5,3];$

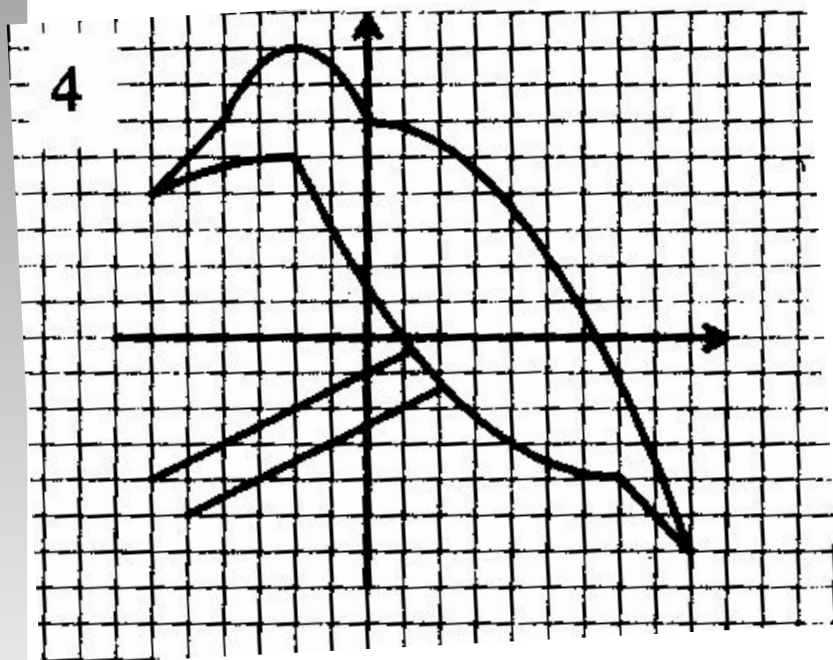
5)  $y = (x + 6)^2, x \in [-7,7; -4,3];$

6)  $y = -24(x - 5)^2 + 9,$   
 $x \in [4,5; 5,5];$

7)  $y = -4(x + 7)^2 + 4,$   
 $x \in [-7,5; -6,5];$

8)  $y = -4(x + 5)^2 + 4,$   
 $x \in [-5,5; -4,5].$

# 4. Птица



- 1)  $y = -\frac{4}{27}x^2 + 6, x \in [0; 9];$
- 2)  $y = \frac{1}{9}(x-7)^2 + 8, x \in [-2; 7];$
- 3)  $y = -0,5(x+2)^2 + 8, x \in [-4; 0];$
- 4)  $y = -\frac{1}{16}(x+2)^2 + 5, x \in [-6; -2];$
- 5)  $y = x + 10, x \in [-6; -4];$
- 6)  $y = -x + 3, x \in [7; 9];$
- 7)  $y = 0,5x - 1, x \in [-6; 1];$
- 8)  $y = 0,5x - 2,5, x \in [-5; 2].$