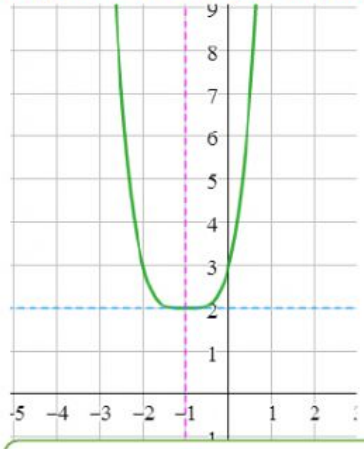
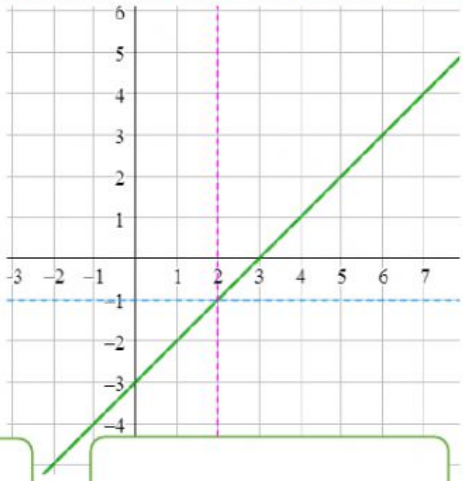
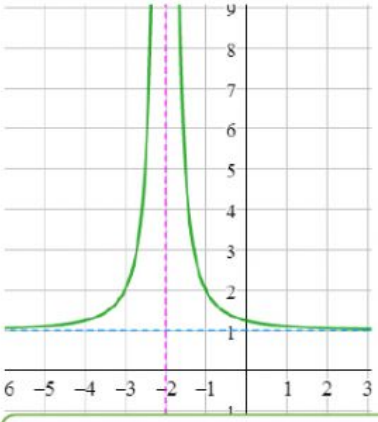
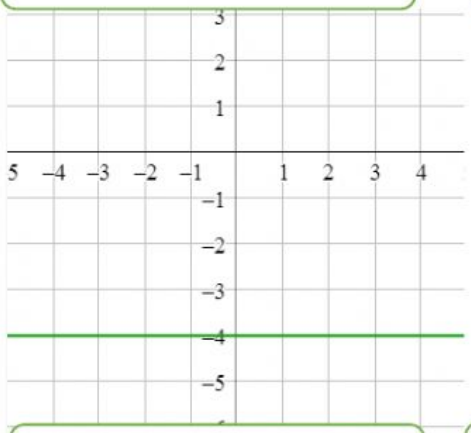
11 класс. Свойства и график степенной функции. Вариант2

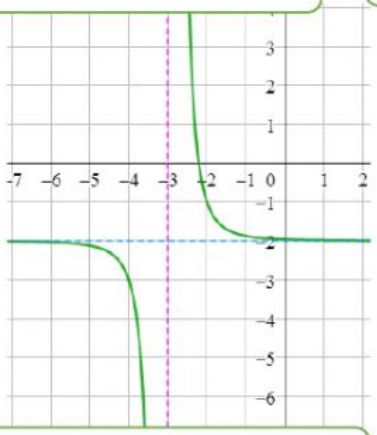
Задание 1. Определи по графику, какой показатель степени в степенной функции?

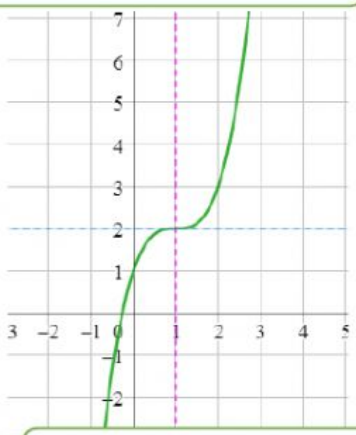








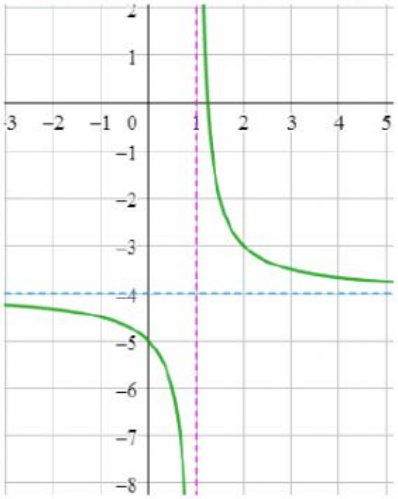


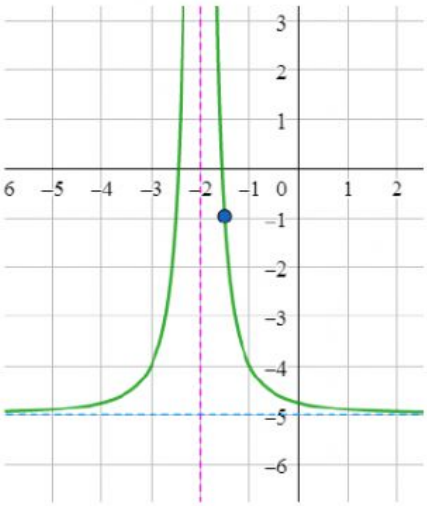


Положительный чётный Положительный нечётный Отрицательный чётный Отрицательный нечётный

0 1

Задание 2. Заполни пропуски.

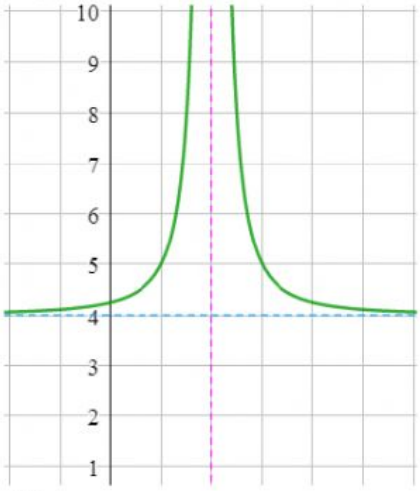




$f(x) = (x \quad)$.

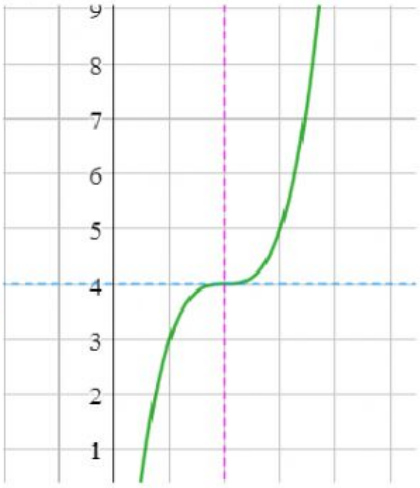
$f(x) = (x \quad)$.

Задание 3. Установи соответствие между графиком и функцией.

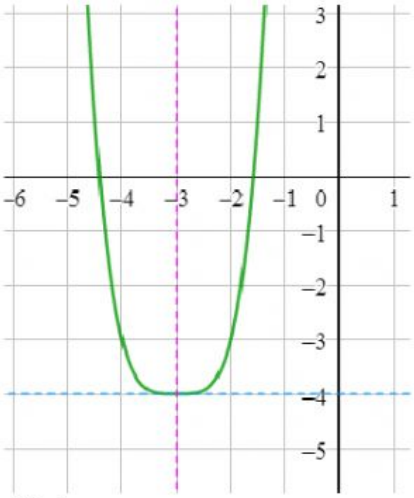


$f(x) =$

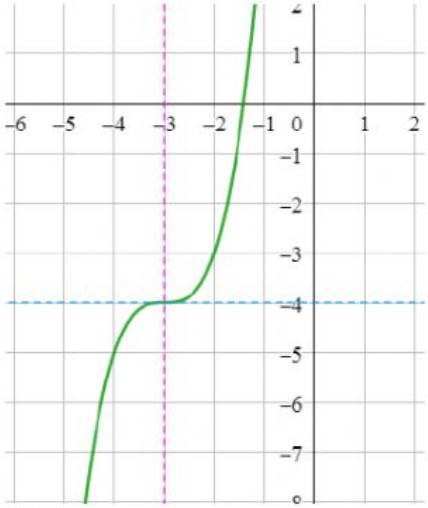
$f(x) =$



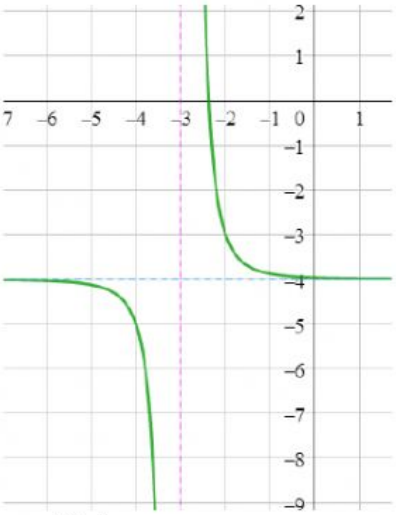
$f(x) =$



$f(x) =$



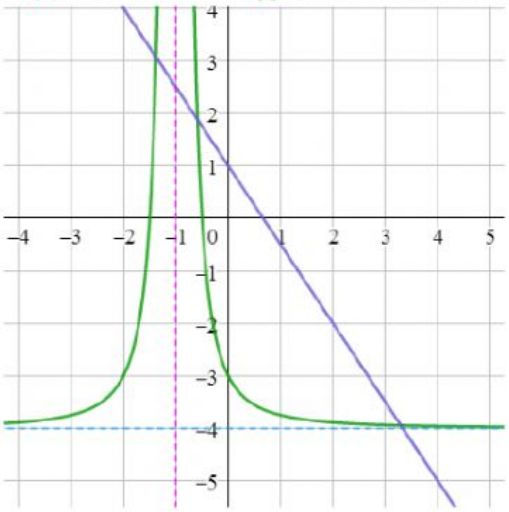
$f(x) =$



$f(x) =$

$(x+3)^{-3}-4$ $(x-2)^{-2}+4$ $(x+3)^{3}-4$ $(x-2)^{-3}+4$ $(x+3)^{4}-4$ $(x-2)^{3}+4$

Задание 4. Какие уравнения составляют систему уравнений, соответствующих графику?



$y = -\frac{3}{2}x - 1$

$y = -\frac{3}{2}x + 1$

$y = -\frac{2}{3}x + 1$

$y = -\frac{2}{3}x - 1$

$y = (x+1)^3 + 4$

$y = (x+1)^{-2} - 4$

$y = (x-1)^{-3} - 4$

$y = (x-1)^2 + 4$