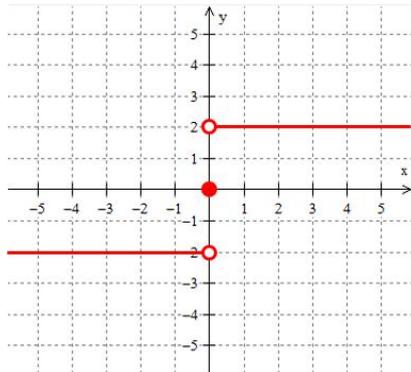


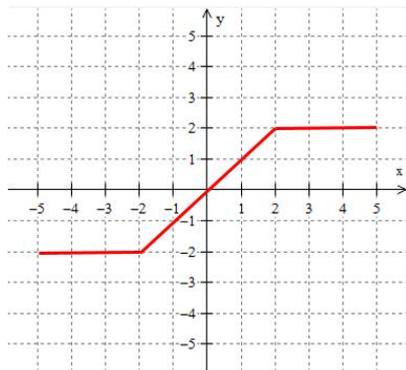
Exercícios: Domínio e imagem através do gráfico

Nos gráficos cartesianos das funções abaixo representadas, determine o conjunto imagem.

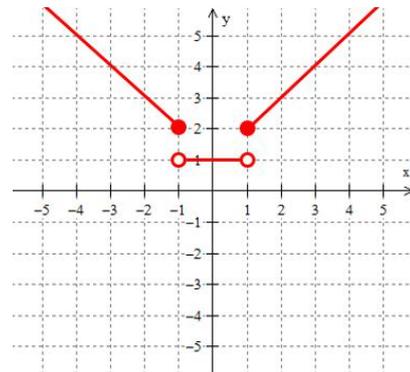
1.



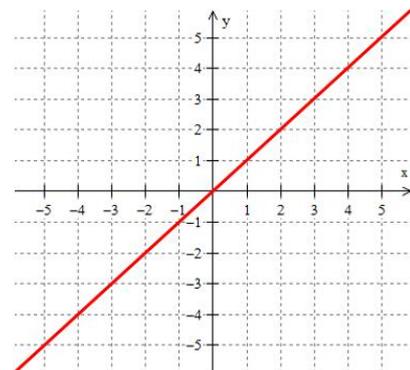
2.



3.

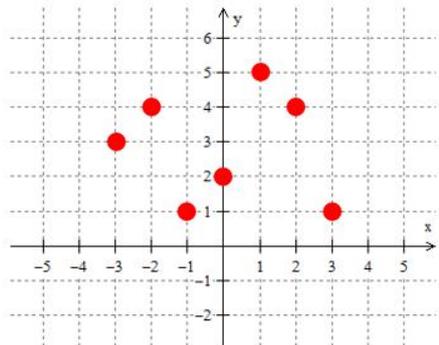


4.

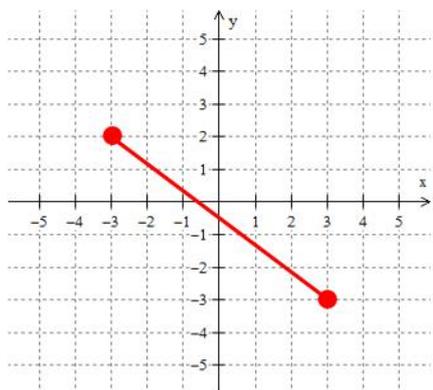


Considerando que os gráficos abaixo são gráficos de funções, estabeleça o domínio e a imagem.

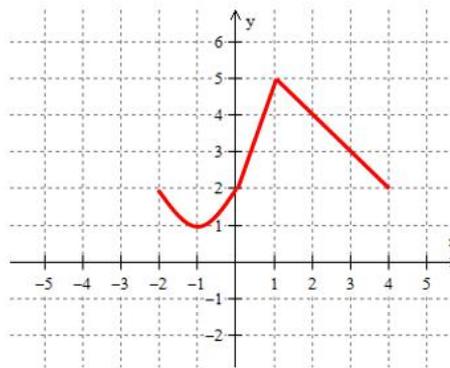
5.



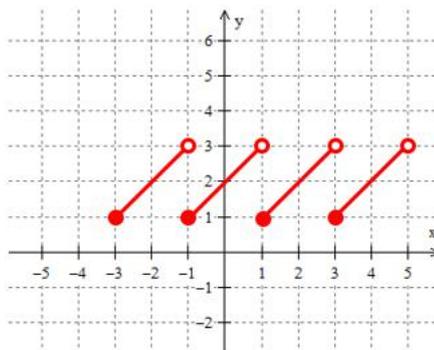
6.



7.



8.



Gabarito:

1. $Im = \{-2, 0, 2\}$
2. $Im = \{y \in \mathbb{R} / -2 \leq y \leq 2\}$
3. $Im = \{y \in \mathbb{R} / y = 1 \text{ ou } y \geq 2\}$
4. $Im = \{\mathbb{R}\}$
5. $D = \{-3, -2, -1, 0, 1, 2, 3\}$ e $Im = \{1, 2, 3, 4, 5\}$
6. $D = \{x \in \mathbb{R} / -3 \leq x \leq 3\}$ e $Im = \{y \in \mathbb{R} / -3 \leq y \leq 2\}$
7. $D = \{x \in \mathbb{R} / -2 \leq x \leq 4\}$ e $Im = \{y \in \mathbb{R} / 1 \leq y \leq 5\}$
8. $D = \{x \in \mathbb{R} / -3 \leq x < 5\}$ e $Im = \{y \in \mathbb{R} / 1 \leq y < 3\}$