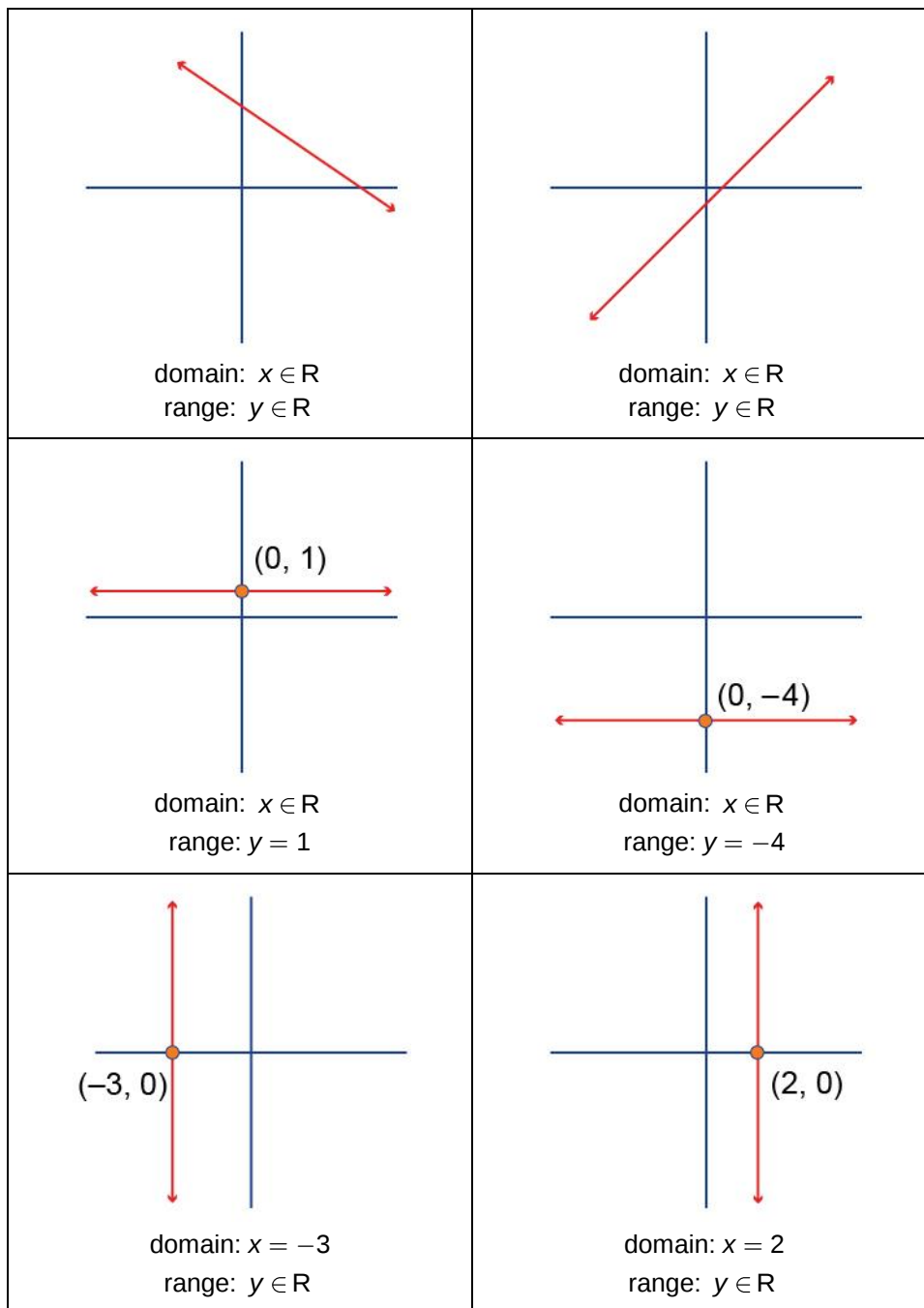
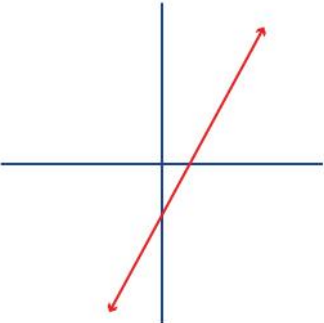
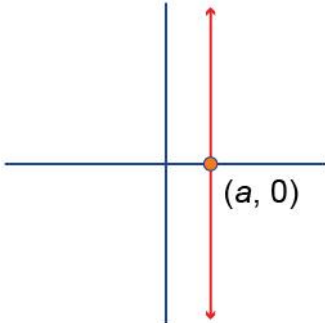
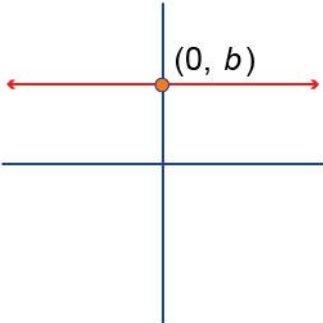


Module 5 Lesson 2: Share 8 – 12 Possible Solutions

8. The graphs are grouped in pairs. The domain and the range of each graph are also reported.



9. The graphs seem to fit into three categories with either zero slope, an undefined slope, or a non-zero slope.

Diagonal Line	Vertical Line	Horizontal Line
		
domain: $x \in \mathbb{R}$ range: $y \in \mathbb{R}$	domain: $x = a$ range: $y \in \mathbb{R}$	domain: $x \in \mathbb{R}$ range: $y = b$

10. The domain and the range depends on the orientation (or slope) of the line.
11. The domain of the diagonal lines is $x \in \mathbb{R}$, and the range of diagonal lines is $y \in \mathbb{R}$.
12. The domain of a horizontal line is $x \in \mathbb{R}$, and the range is $y = [\text{the value of the } y\text{-coordinate of each point on the line}]$. The domain of a vertical line is $x = [\text{the value of the } x\text{-coordinate of each point on the line}]$, and the range is $y \in \mathbb{R}$.