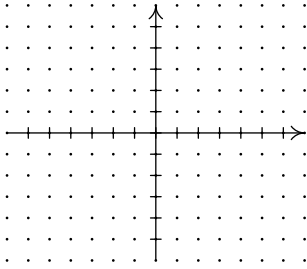


A line segment is defined either by its end points, or by a function $y = \dots$ and an interval of possible x values. For each of the following problems, graph the straight line segment, and define its domain and range. (*Hint: two of the line segments consist of a single point. Which?*)

1. including $(-6, 2)$, but not including $(4, 1)$:

Domain: _____

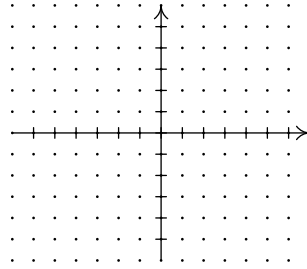
Range: _____



4. $y = \frac{2x}{3} + 3$ if $-3 \leq x \leq 1$:

Domain: _____

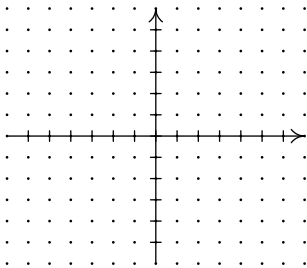
Range: _____



2. including both $(-3, -4)$, and $(4, 5)$:

Domain: _____

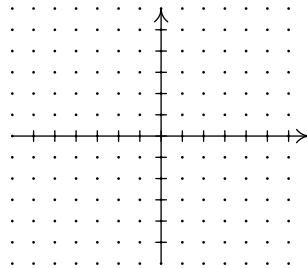
Range: _____



5. $y = -\frac{4x}{8} - 1$ if $-4 < x \leq 6$:

Domain: _____

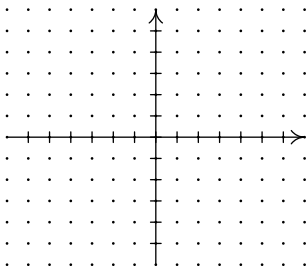
Range: _____



3. including neither $(0, 2)$, nor $(3, -5)$:

Domain: _____

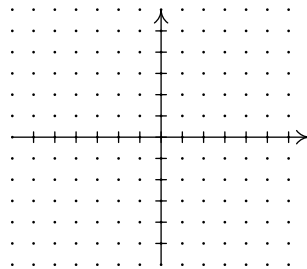
Range: _____



6. $y = 7x - 2$ if $0 \leq x \leq 1$:

Domain: _____

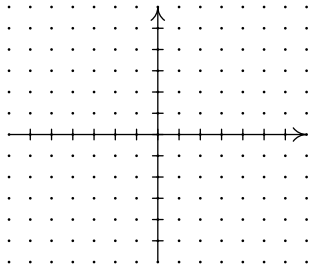
Range: _____



7. $y = 4$ if $-6 \leq x \leq -1$:

Domain: _____

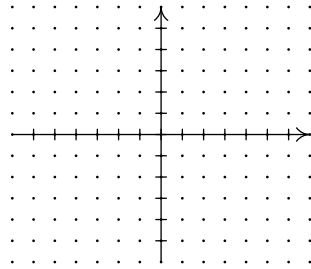
Range: _____



10. $y = \frac{4x}{3} + 1$ if $x \leq 3$:

Domain: _____

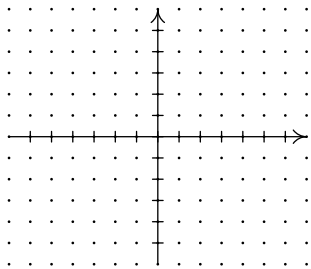
Range: _____



8. $y = -\frac{x}{3} - 1$ if $-6 \leq x \leq 6$:

Domain: _____

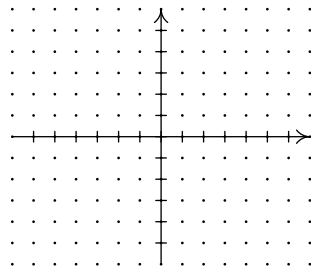
Range: _____



11. $y = 7x - 14$ if $x = 2$:

Domain: _____

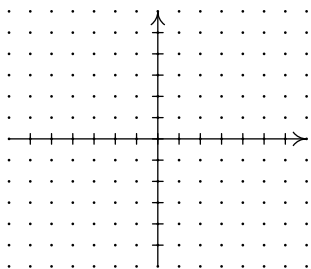
Range: _____



9. $y = 2x - 5$ if $x \geq 1$:

Domain: _____

Range: _____



12. $y = -3x + 6$ if $x = 3$:

Domain: _____

Range: _____

