

Section 2.6 – Graphing Relationships

Problem Set 2

Graph the two inequalities then find the intersection and union of the sets represented by the graphs.

1. $x > 2$ and $x > 5$

2. $x < 3$ and $x > 1$

3. $y > 1$ and $y \leq -4$

4. $z > 4$ and $z < 1$ and $z \leq -1$

5. $x > 7$ and $x < -2$

6. $x \leq 3$ and $x \leq -1$

7. $x \geq 4$ and $x < -7$

8. $x > 1$ and $x \geq 4$

9. $x < 0$ and $x > 0$

10. $x > 3$ and $x < 12$

11. $x > 1$ and $x \geq 3$ and $x > 12$

12. $x < 3$ and $x \geq 4$ and $x > 1$

13. $x < 3$ and $x \leq -2$ and $x > 1$

14. $x < 0$ and $x > 3$ and $x \leq -1$