

1-3 Solving Inequalities

Name: _____

Time Start: _____ Finish: _____

Total Time = _____

Put the letter of the graph that matches the inequality that is given.

_____ 1. $x \leq 2$

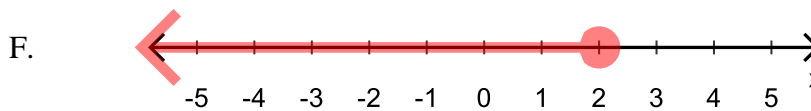
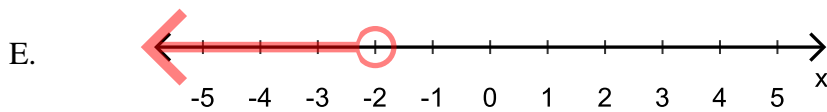
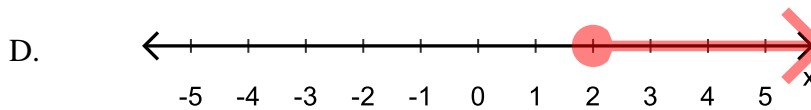
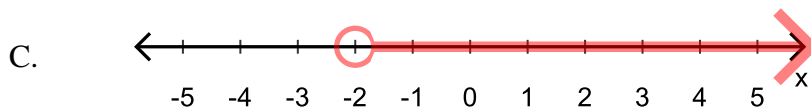
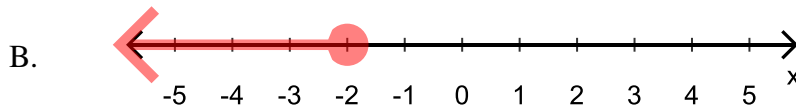
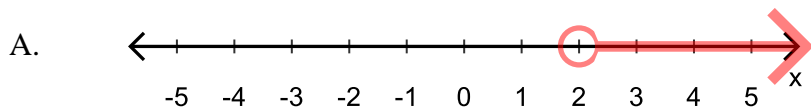
_____ 2. $x < -2$

_____ 3. $x > -2$

_____ 4. $x > 2$

_____ 5. $x \leq -2$

_____ 6. $x \geq 2$



Solve the following inequalities. Show your work.

7. $4n + 3 > 2n - 11$

8. $-2d + 8 < 3d - 22$

$$9. \quad 2(4x - 3) < 4x + 12 + 2x$$

$$10. \quad -2x > 20$$

$$11. \quad -18 < 12 - 5x$$

$$12. \quad -d + 18 - 12 \leq -20$$

$$13. \quad -8x - 3 - 2x \geq -33$$

$$14. \quad 4x - 6x > -20 - 10$$