

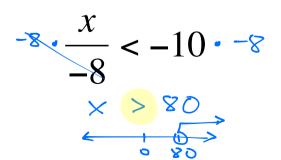
Chapter 4 Snake Review

1.

Which numbers are solutions of the inequality x > -5.2

- -11 -6 -5.2

2. Solve the inequality and graph its solution.



3. Solve the inequality and graph its solution.

$$-32 \ge 8 + 5n$$

4. Solve the inequality.

$$-4x + 9 < 6x - 13$$

$$-4x + 9 < 6x - 13$$

$$-13 + 13 + 13$$

$$-10 \times 10 \times 10$$

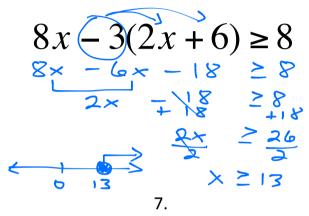
$$-10$$

Replace the with the number that makes the inequalities equivalent.

$$\frac{-3a}{-3} < \frac{15}{-3}$$

$$a > -5$$

5. **Solve the inequality.**



Translate to an inequality for each.

- a. The van holds at most 7 people. $\vee \leq 7$
 - b. Mary needs to work at least 7 hours today.M ≥ 7

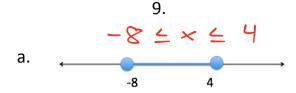
c. Mary earns more than \$7 per hour.
$$M > 7$$

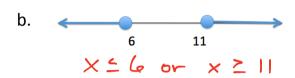
8. Write an inequality and solve.

A canoe rental company charges \$25.00 to rent the canoe and \$11.00 per day. Becky has at most \$110 to spend on the canoe. Write and solve an inequality that shows how many days she can rent the canoe. Show work for credit.

Write a compound inequality for each.

- a. all real numbers less than 4 and greater than 0
- c. all real numbers that are at least
 -3 and no more than 0
 -3 4 × < 0





Solve the inequality and graph the solution.

$$-2 \le 3a - 8 < 4$$

12. Solve the inequality and graph the solution.

$$|-5x-5| > 25$$
 $|-5x-5| > 25$
 $|-5x-5| > 25$