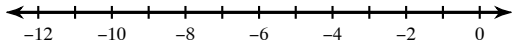
Algebra 1 Name_____

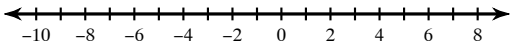
WS 2.5 Compound Inequalities and Application

Solve each compound inequality and graph its solution.

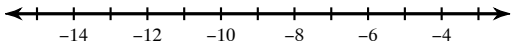
1) $16 \le -4v \le 36$



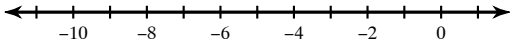
2) $v + 4 < -3$ or $v + 6 \ge 9$



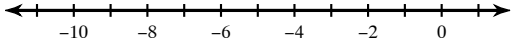
3) $-2p \le 16$ or $\frac{p}{5} < -2$



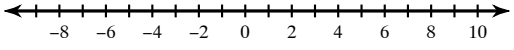
4) $-1 \le \frac{b}{8} \le 0$



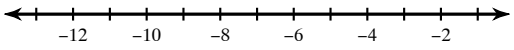
5) $-7b - 9 \ge 40$ or $5b - 2 \ge -32$



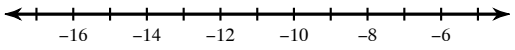
6) $2 - 2m \le -8$ or $9m + 5 < -49$



7) $-13 < 3b + 8 < 2$



8) $10 - 7p < -9p - 6 \leq 9 - 8p$



9) Nine less than a number is no less than 8 or is no more than 3. What are the numbers?

10) Nate has scores 85, 71, 82, and 90 on his Algebra tests. Use a compound inequality to find the range of scores she can make on her final exam to receive a B in the course. A 'B' is received if the final course average is from 83 to 87.