

Homework 4.1

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Solve each inequality.

1) $8(2p - 1) < -8p - 8$

2) $5(1 - 5k) \leq 39 - 8k$

3) $7x + 2(5x + 2) > -2(-7x + 1)$

4) $-6(7 + 7b) < -5b + 3(5 - 6b)$

Solve each compound inequality.

5) $-7 \leq x - 8 \leq -3$

6) $6 > -n + 5 > 1$

Simplify each expression.

7) $-8(1 + b) + 4b$

8) $8 + 5(v + 5)$

Solve each equation.

9) $34 - 2n = -4(8 + 6n)$

10) $5(1 - 4x) - x = 33 - 7x$

Answers to Homework 4.1

1) $p < 0$

5) $1 \leq x \leq 5$

9) $\{-3\}$

2) $k \geq -2$

6) $-1 < n < 4$

10) $\{-2\}$

3) $x > -2$

7) $-8 - 4b$

4) $b > -3$

8) $33 + 5v$