Linear Equations and Inequalities

Example 1

3-5b+2b=-2-2(1-b)

3-5b+2b=-2-2(1-B) Distribute the -2 into the parenthesis.

3-5b+2b=-2-2+2b Combine like terms

3-3b+3b=-4+2b+3b Add 3b to both sides

3=-4+5b

3+4=-4+4=5b Add 4 to both sides.

7=5b Solve the equation.

Example 2

2k-5=3(1-2k)

2k-5=3(1-2k) Distribute 3 into paretheses.

2k-5+6k=3-6k+6k Add 6k to both sides.

8k-5+5=3+5 Add 5 to both sides.

8k=8 Solve the equation.