Exit Ticket: Solving Equations with Variables on Both Sides

What is the solution of the equation?

1 $3x + 4 = 5x - 8$

2 $3p + 7 = -10(-p + 8) - (-10 + 6p)$

3 $6 - 9z = 14 - 9z$

4 $2(h - 8) - h = h - 16$

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Answer Section

1 6
2 $p = 77$
3 no solution
4 infinitely many solutions