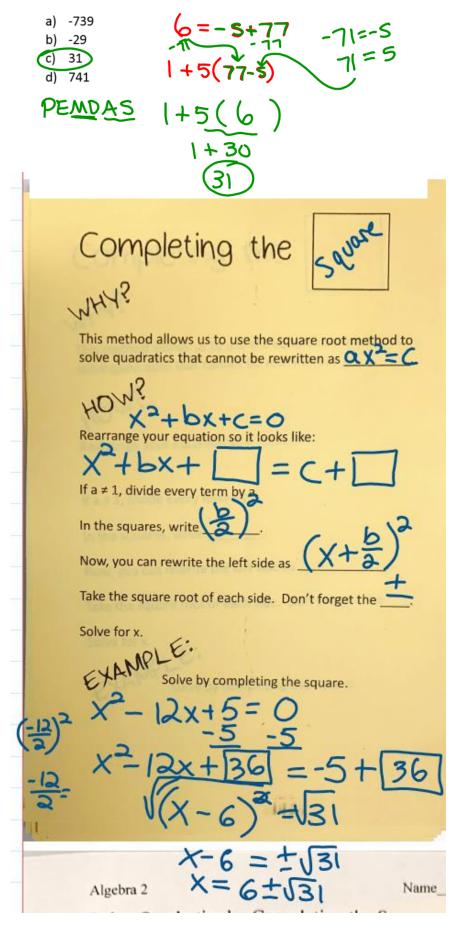
Copy the problem and write the correct answer. Show any necessary work.

Given the above equation, what is the value of 1 + 5(77 - s)?



For homework, complete the follow sheet.

## Solve Quadratics by Completing the Square

## Solve each equation by completing the square.

1)  $n^2 + 14n + 33 = 0$ 

2)  $n^{2} + 6n - 5k = 0$   $n^{2} + 6n + 19 = 58 + 9$   $(n+3)^{2} = 67$   $n+3 = -3 \pm 067$   $n = -3 \pm 067$ 4)  $x^2 + 8x - 84 = 0$ 

Date

Period

3)  $a^2 - 12a - 89 = 0$ 

5)  $x^2 - 10x - 37 = 0$ 

6)  $m^2 + 8m + 11 = 0$ 

7)  $n^2 - 6n - 30 = -3$ 1 = 45+4  $f^{2} = 49$ =  $\pm 7$ =  $\pm 7$ =  $\pm 7$ 2 - 7 = 59)  $a^2 + 2a - 83 = -7$ 10)  $m^2$  +

12)  $n^2 - 38 = -4n$ 

11)  $x^2 = 14x + 32$