

CDL Day 15 Alg

Date _____ Period _____

Solve each equation by completing the square.

1) $x^2 - 4x - 3 = 0$

2) $v^2 - 16v + 55 = 0$

3) $m^2 + 10m - 11 = 0$

4) $k^2 - 4k - 38 = 0$

5) $m^2 + 6m - 55 = 0$

6) $n^2 + 14n + 45 = 0$

7) $r^2 + 8r - 18 = 0$

8) $p^2 + 4p - 32 = 0$

9) $r^2 - 18r + 85 = -10$

10) $p^2 - 10p + 43 = 9$

11) $9x^2 - 18x + 59 = -2$

12) $4r^2 - 16r - 46 = 2$

13) $5p^2 + 20p + 22 = 7$

14) $8v^2 - 16v - 26 = 3$

15) $n^2 - 18n + 24 = 7$

16) $k^2 + 6k - 45 = 10$

17) $r^2 + 11r = -144$

18) $k^2 - 17k - 2 = -4 - 4k^2$

19) $n^2 - 5n - 115 = -7$

20) $-7k^2 + 23k + 45 = 3 - 8k^2$