

ANSWERS ON WORKSHEET! WORK SHOWN MUST BE ATTACHED.**Solve each equation by factoring.**

1) $(k + 7)(k + 3) = 0$

2) $(n + 7)(n + 6) = 0$

3) $(r + 7)^2 = 0$

4) $(x + 7)(x + 4) = 0$

5) $p^2 + 5p - 28 = -4$

6) $a^2 - 5a - 4 = -4$

7) $x^2 + x - 34 = 8$

8) $r^2 + 6r - 3 = -3$

9) $7n^2 - n = 0$

10) $6x^2 + x - 12 = 0$

11) $5k^2 - 11k - 12 = 0$

12) $21k^2 + 64k + 35 = 0$

Solve each equation by taking square roots.

13) $4v^2 + 10 = 14$

14) $4r^2 + 3 = 52$

15) $16n^2 + 6 = 87$

16) $9 + 36v^2 = 73$