

Factoring with coefficient of 1 and other than 1

Date_____ Period____

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Solve each equation by factoring.

1) $m^2 = 5 - 4m$

2) $r^2 - 3r = 40$

3) $x^2 + 2x = 8$

4) $n^2 + 3n = 40$

5) $b^2 = -9b - 20$

6) $x^2 = 16$

7) $n^2 = 49$

8) $a^2 - 9a = -20$

9) $n^2 - 48 = 2n$

10) $p^2 = 8p$

11) $7a^2 - 6 = -41a$

12) $3x^2 - 10x = -8$

13) $49v^2 - 5 = 28v$

14) $7k^2 + 3 = 10k$

15) $5p^2 - 18p = -16$

16) $5m^2 = -3 + 16m$

17) $5x^2 + 10 = -27x$

18) $2x^2 + 5x = 0$

19) $2n^2 = 3n + 2$

20) $7r^2 + 47r = 14$