

Worksheet: Factoring Trinomials (a=1)

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Write each trinomial in factored form (as the product of two binomials).

1) $p^2 + 14p + 48$

2) $n^2 + 10n + 16$

3) $p^2 + 14p + 40$

4) $r^2 + 9r + 18$

5) $p^2 - 8p + 7$

6) $b^2 - 9b + 14$

7) $b^2 - 8b + 15$

8) $m^2 - 16m + 63$

9) $k^2 - 4k - 60$

10) $m^2 + m - 6$

11) $p^2 - 2p - 15$

12) $r^2 + r - 20$

Factor each completely. (Remember to pull out the GCF first.)

13) $3r^2 + 21r + 30$

14) $2p^2 + 14p + 24$

15) $2r^2 - 16r + 30$

16) $3n^2 - 9n + 6$

17) $3b^2 - 3b - 36$

18) $2n^2 + 2n - 12$