

**Factoring Worksheet B**

Name: \_\_\_\_\_

(If a polynomial is not factorable, write PRIME)

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|---------------------|-------|----------------------|-------|
| 1. $z^2 + 4z - 5$   | _____ | 11. $h^2 - 2h - 3$   | _____ |
| 2. $x^2 - 5x - 6$   | _____ | 12. $x^2 + 2x - 15$  | _____ |
| 3. $d^2 - 1kl - 10$ | _____ | 13. $x^2 + 6x - 16$  | _____ |
| 4. $x^2 - 6x - 18$  | _____ | 14. $x^2 - 10x - 24$ | _____ |
| 5. $y^2 + 2y - 35$  | _____ | 15. $q^2 - 2q - 20$  | _____ |
| 6. $m^2 + 5m - 36$  | _____ | 16. $x^2 - 3x - 40$  | _____ |
| 7. $p^2 - 4p - 21$  | _____ | 17. $k^2 + 3k - 54$  | _____ |
| 8. $v^2 - 5v - 30$  | _____ | 18. $m^2 - m - 6$    | _____ |
| 9. $g^2 - 8g - 9$   | _____ | 19. $d^2 - d - 72$   | _____ |
| 10. $j^2 - 3j - 10$ | _____ | 20. $z^2 + 5z - 14$  | _____ |
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|--------------------------|-------|--------------------------|-------|
| 21. $w^2 - wy - 20y^2$   | _____ | 26. $g^2 - 2gh - 3h^2$   | _____ |
| 22. $p^2 - 5pq - 50q^2$  | _____ | 27. $k^2 - 4kp - 77p^2$  | _____ |
| 23. $b^2 - 11bc - 60c^2$ | _____ | 28. $w^2 + 14wx - 72x^2$ | _____ |
| 24. $x^2 - 9xy - 22y^2$  | _____ | 29. $m^2 - mn - 72n^2$   | _____ |
| 25. $n^2 - 13nm - 48m^2$ | _____ | 30. $1 - 8st - 20s^2t^2$ | _____ |
| 31. $w^2 - 18w - 144$    | _____ |                          |       |
| 32. $s^2 + 19s - 150$    | _____ |                          |       |
| 33. $f^2 - 20f - 800$    | _____ |                          |       |
| 34. $a^2 + 3a - 270$     | _____ |                          |       |
| 35. $x^2 + 32x - 320$    | _____ |                          |       |