

Factoring: Four Terms
Jefferson Davis Learning Center, Sandra Peterson

Factor completely.

Answers

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|------------------------|-----------------------|
| 1. $a(b-2)+3(b-2)$ | 1. $(b-2)(a+3)$ |
| 2. $(2x+3)y-(2x+3)z$ | 2. $(2x+3)(y-z)$ |
| 3. $(m+2)n+(m+2)$ | 3. $(m+2)(n+1)$ |
| 4. $(c+5)-(c+5)d$ | 4. $(c+5)(1-d)$ |
| 5. $5x(y-2)+3(2-y)$ | 5. $(y-2)(5x-3)$ |
| 6. $6u(v-7)-5(7-v)$ | 6. $(v-7)(6u+5)$ |
| 7. $xy-x+2y-2$ | 7. $(y-1)(x+2)$ |
| 8. $ab-ac+bd-cd$ | 8. $(b-c)(a+d)$ |
| 9. $x^2y-xy+x-1$ | 9. $(x-1)(xy+1)$ |
| 10. $x^2-x+xy-y$ | 10. $(x-1)(x+y)$ |
| 11. $xy-x-y+1$ | 11. $(y-1)(x-1)$ |
| 12. $2m^2+3n-mn-6m$ | 12. $(2m-n)(m-3)$ |
| 13. x^3+x^2-4x-4 | 13. $(x+1)(x-2)(x+2)$ |
| 14. $m^2n+2m^2-16n-32$ | 14. $(n+2)(m-4)(m+4)$ |
| 15. $c^2d-3c^2+25d-75$ | 15. $(d-3)(c^2+25)$ |

Please visit the Learning Lab for further assistance.