Factoring Frenzy A
Fold the paper to hide the answers.

Factor the expression completely.

Factor the expression.	Answers
1. $n^2 + 6n + 5$	1. $(n + 5)(n+ 1)$
2. $n^2 + 7n + 10$	2. $(n + 5)(n + 2)$
3. $n^2 – 7n + 12$	3. $(n – 3)(n – 4)$
4. $n^2 – 121$	4. $(n – 11)(n +11)$
5. $n^2 + 2n – 15$	5. $(n + 5)(n – 3)$
6. $n^2 – 5n – 24$	6. $(n – 8)(n + 3)$
7. $n^2–24n +144$	7. $(n – 12)^2$
8. $3x^2 + 13x + 10$	8. $(x + 1)(3x + 10)$
9. $2x^2 – x – 21$	9. $(2x – 7)(x + 3)$
10. $9x^2 + 30x + 25$	10. $(3x + 5)^2$
11. $6x^2 + 5x – 4$	11. $(3x + 4)(2x – 1)$
12. $4x^2 – 49y^2$	12. $(2x + 7y)(2x – 7y)$
13. $2x^2 – x – 6$	13. $(2x +3)(x – 2)$
14. $16x^2 –56x +49$	14. $(4x – 7)^2$
15. $3x^2 – 7x –6$	15. $(x – 3)(3x + 2)$

Factoring Frenzy B

Fold the paper to hide the answers.

Factor out GCF; then factor again if possible.

Factor the expression.	Answers
1. $2x^2 + 22x + 36$	1. $2(x+2)(x+9)$
2. $5x^2 - 10x - 40$	2. $5(x-4)(x+2)$
3. $10x^2 - 25x - 35$	3. $5(x+1)(2x-7)$
4. $12u^2 - 28u - 24$	4. $4(3u+2)(u-3)$
5. $3x^2 - 15x + 18$	5. $3(x-2)(x-3)$
6. $x^3 + 11x^2 + 10x$	6. $x(x+10)(x+1)$
7. $8x^3 - 18x$	7. $2x(2x-3)(2x+3)$
8. $5x^3 - 40x^2 + 60x$	8. $5x(x-2)(x-6)$
9. $4x^2 + 8x - 60$	9. $4(x+5)(x-3)$
10. $2x^3 - 20x^2 - 48x$	10. $2x(x-12)(x+2)$
11. $4m^2 - 18m + 14$	11. $2(2m-7)(m-1)$
12. $81x^2 - 36$	12. $9(3x+2)(3x-2)$
13. $15m^2 - 10m - 25$	13. $5(3m-5)(m+1)$
14. $50m^3 - 2m$	14. $2m(5m+1)(5m-1)$
15. $3m^2 - 10m + 8$	15. $(3m-4)(m-2)$
16. $60m^3 + 54m^2 - 6m$	16. $6m(10m-1)(m+1)$