Review homework questions

Math 10B Name _____

Factoring: Hard Trinomials Date _____

Factor each completely.

1) $6m^2 + 2m - 8$ $(2m-2)(3m+4)$

2) $3x^2 - 16x + 5$ $(x-5)(3x-1)$

3) $28r^2 - 116r + 16$ $4(r-4)(7r-1)$

4) $2n^2 - 17n - 9$ $(2n+1)(n-9)$

5) $3r^2 + 2r - 16$ $(r-2)(3r+8)$

6) $5a^2 - 34a + 45$ $(a-5)(5a-9)$

7) $8x^2 - 50x + 50$ $2(x-5)(4x-5)$

8) $4n^2 - 15n + 9$ $(n-3)(4n-3)$

9) $4x^2 + 17x + 4$ $(x+4)(4x+1)$

10) $4m^2 + 13m + 10$ $(m+2)(4m+5)$

11) $4b^2 - 3b - 10$ $(b-2)(4b+5)$

12) $8n^2 - 26n - 24$ $(n-4)(8n+6)$

13) $u^2 + 16uv + 64v^2$ $(u+8v)^2$

14) $2x^2 - 22xy + 48y^2$ $2(x-8y)(x-3y)$

15) $x^2 - 11xy + 30y^2$ $(x-6y)(x-5y)$

16) $4a^2 - 8ab - 12b^2$ $4(a-3b)(a+b)$

Homework

Additional factoring

Homework

1. $3p^2 - 2p - 5$

M -15
A -2
N $-5, +3$

$3p^2 + 3p - 5p - 5$

$3p(p+1) - 5(p+1)$

$(p+1)(3p-5)$

Attachments

Factoring trinomials a greater than 1.pdf