Classroom Problems for Intermediate Algebra #12

1) $6xy - 4y - 12x + 8$ $2(y-2)(3x-2)$

2) $12x^2 - 15xy + 8x - 10y$ $(4x-5y)(3x+2)$

3) $60x^3 - 93x^2 + 36x$ $3x(4x-3)(5x-4)$

4) $48x^3 + 84x^2 - 90x$ $6x(4x-3)(2x+5)$

5) $32x^2 - 84x + 27$ $(8x-3)(4x-9)$

6) $20xa - 12x - 5a + 3$ $(5a-3)(4x-1)$

7) $18x^3 - 33x^2 - 30x$ $3x(2x-5)(3x+2)$

8) $36x^3y - 78x^2y^2 + 40xy^3$ $2xy(3x-4y)(6x-5y)$