Factoring Review Problems

1. $8x(3x-1)$
3. $(7m^2-4)(4m+1)$
5. $(w-2)(w+9)$
7. $(m-5)^2$
9. $(z-3)(z+3)$
11. $(x-2)(x^2+2x+4)$
13. $(2y-5)(2y+5)$
15. $(3x+5)(9x^2-15x+25)$

U-Substitution Problems

1. $\{-3,-2,2,3\}$

3. $\left\{-3,\dfrac{1}{3}\right\}$

5. $\{16,81\}$

7. $\{-27,64\}$

9. $\left\{-\dfrac{13}{6},-\dfrac{1}{3}\right\}$

11. $\left\{-9-2\sqrt{3},-9+2\sqrt{3}\right\}$