Practice: GCF + Factoring $x^2 + bx + c$

*** When factoring, always look for a GCF FIRST and simplify. Then begin the factoring process using the X method. In this exercise, pull out the GCF, then factor. All three are the factors for the final answer!

EX: $8x^2 + 48x + 40 \rightarrow 8(x^2 + 6x + 5) \rightarrow$	$8(x + 1)(x + 5)$
1. $2x^2 + 60x - 128$	
2. $4n^2 - 12n - 40$	
3. $-5y^2 - 30y - 25$	
4. $10p^2 + 30p - 40$	
5. $-7q^2 + 56q - 84$	
6. $6w^2 - 84wz + 240z^2$	
7. $-3m^2 + 9mn + 84n^2$	
8. $4p^2 + 44pq + 96q^2$	