Factoring and Solving Trinomials

Factor each completely. Be sure to show work.

1. $k^2 + 8k + 7$

2. $n^2 - 8n + 15 = 0$

3. $c^2 - 10c + 9$

4. $4x^2 - 19x - 5$

5. $8m^2 + 30m + 7 = 0$

6. $4g^2 - 5g - 6$

7. $4x^2 + 0x - 36$

8. $49x^2 - 25 = 0$

9. $16x^2 - 1 = 0$