PreCalculus 11: Chapter 1 Quiz

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Total: \_\_\_\_\_\_\_\_\_/10 Marks

Factor the following trinomials: (1 marks for each)

1. $x^{2}+9x+8$
2. $x^{2}-13x+36$
3. $-x^{2}+7x+44$
4. $-x^{3}y-x^{2}y^{2}+6xy^{3}$
5. $-5x^{2}+25x-20$
6. $8x^{2}+x-9$
7. $4x^{2}-7x+3$
8. $-20x^{2}-16x-3$
9. $x^{3}-16x^{2}+64x$
10. Find all integers K which make the trinomial a perfect square.

 $kx^{2}-24x+16$