Pre-Calculus 11   Name_____
Practice 4.2 Part 1 ~ Factoring Complex Quadratic Expressions

Factor each completely.

1) $0.2r^2 - 2.2r + 5.6$

2) $0.4d^2 + 0.6d - 1.8$

3) $0.49n^2 - 0.81$

4) $\frac{1}{4}k^2 - \frac{9}{16}j^2$

5) $\frac{1}{4}x^2 + 2x + 3$

6) $\frac{64}{121}a^2 - 36b^2$

7) $(r+3)^2 - 6(r+3) + 5$

8) $(c-9)^2 - 10(c-9) + 16$

9) $4(d-6)^2 + 44(d-6) + 112$

10) $10(x+1)^2 + 3(x+1) - 7$

11) $9(t-6)^2 + 35(t-6) - 50$

12) $9(m+2)^2 - 4$

13) $25(c-9)^2 - 9(c+2)^2$

14) $2(h+3)^2 - 8(h+4)^2$