

13.REV.1 ~ Returning Review

Past due on _____ Period _____

Factor each binomial completely.

1) $64p^2 - 9$

2) $49n^2 - 36$

3) $16r^2 - 81$

4) $25x^2 - 4$

Factor each perfect square trinomial completely.

5) $25k^2 + 90k + 81$

6) $49v^2 - 56v + 16$

7) $x^2 - 20x + 100$

8) $64k^2 + 48k + 9$

Find the value of c that completes the square AND write in factored form.

9) $p^2 - 34p + c$

10) $x^2 + 12x + c$

11) $p^2 + 22p + c$

12) $x^2 - 16x + c$

Solve each quadratic equation by factoring and using the Zero Product Property.

13) $x^2 - 5x - 14 = 0$

14) $n^2 + 12n + 32 = 0$

15) $5x^2 + 8x - 4 = 0$

16) $3x^2 + 2x - 16 = 0$

$$17) n^2 + 15n + 61 = 5$$

$$18) x^2 + 13x + 33 = -7$$

$$19) 7n^2 + 30n + 13 = 5$$

$$20) 3p^2 - 14p - 17 = 7$$