Classwork: Solve by Factoring & Completing the Square Algebra 2 Kitt

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_\_

**Directions**: *Solve each equation by factoring.*

1. $x^{2}-9x+18=0$ 2. $x^{2}+5x+4=0$ 3. $x^{2}-64=0$

4. $x^{2}+5x=0$ 5. $35x^{2}+22x+3=0$ 6. $15x^{2}+4x-4=0$

7. $3x^{2}-18x-21=0$ 8. $x^{2}+15x+56=0$ 9. $x^{2}-2x=0$

10. $2x^{2}+3x-14=0$

**Directions**: *Solve each equation by completing the square.*

 11. $x^{2}+14x-38=0$ 12. $x^{2}-12x+11=0$

 13. $x^{2}+14x-51=0$ 14. $x^{2}-4x+6=0$

 15. $x^{2}+2x+20=0$ 16. $x^{2}+6x-59=0$

 17. $8x^{2}+16x-42=0$ 18. $6x^{2}+12x-48=0$

 19. $9x^{2}+18x+79=0$ 20. $2x^{2}-8x+6=0$