Converting Quadratic Equations WS

Name_____
Period_____

Write in intercept form

1. $y = x^2 - 3x + 2$

2. $y = x^2 - 100$

3. $y = x^2 + 3x - 18$

4. $y = x^2 - 2x - 8$

5. $y = x^2 - x - 132$

6. $y = 4x^2 + 4x + 1$

7. $y = 4x^2 + 5x - 6$

8. $y = 12x^2 + 17x + 6$

9. $y = 25x^2 - 9$

10. $y = 15x^2 + 8x - 16$

Write in Standard form

11. $y = (x-5)(x+2)$

12 $y = -\frac{1}{4}(4x-5)(x+3)$

13. $y=3(2x-3)(x-1)$

14. $y=(3x-2)^2+5$

15. $y=(x-8)^2+13$

16. $y=2(x+5)^2-23$

17. $y=-2(x-11)^2+17$

18. $y=\left(\frac{1}{3}x+4\right)(2x-5)$

Write in Vertex Form

21. $y=x^2-8x+2$

22. $y=x^2+12x+2$

23. $y=-2x^2+6x-3$

24. $y=4x^2-4x+15$

25. $y=(x+3)(x-9)$

26. $y=2(x+5)(x+7)$