

Solving Quadratics Practice: A

Name _____

Period _____ Date _____

**Solve the problems on this side by
FACTORING**

1. $x^2 + 2x - 15 = 0$

2. $3x^2 + 2x = 5$

3. $2x^2 = 2x + 24$

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

5. $4x^2 + 9 = 12x$

6. $x^2 - 2 = x$

7. $2x^2 + 6x + 4 = 40$

8. $2x^2 - 9x + 6 = 2x + 1$

**Solve the problems on this side by TAKING SQUARE ROOTS
(PEMDAS/SADMEP).**

9. $5(x-3)^2 + 2 = 22$

10. $(2x-1)^2 + 3 = 28$

11. $3x^2 - 8 = 16$

12. $(4x)^2 - 100 = 44$

13. $5x^2 - 9 = 81$

14. $4(x+5)^2 - 30 = 50$

15. $\frac{x^2}{3} + 6 = 16$

16. $\frac{2(x+3)^2}{25} + 1 = 5$