

Name: _____

8A: Algebra 1

Date: _____

Period _____

Homework

Solve algebraically for the variable (in simplest radical form)

1) $a^2 - 36 = 0$

2) $\frac{1}{2}x^2 = 50$

3) $3k^2 = 147$

4) $r^2 - 11 = 70$

5) $4x^2 + 5 = 21$

6) $2x^2 + 3x^2 = 45$

7) $4y^2 - 13 = y^2 + 14$

8) $\frac{y^2}{3} = 12$

9) $\frac{4x}{25} = \frac{4}{x}$

10) $x^2 = 27$

11) Solve for x:
 $x^2 = 25a^2$

12) Solve for x:
 $9x^2 = r^2$