

Solve each of the following equations, using the Zero Product rule. Check your answers in the original equation.

1.  $x^2 - 9 = 0$

check:

2.  $x^2 + 6x - 27 = 0$

check:

3.  $t^2 = t + 12$

check:

4.  $2x^2 - 15 = -x$

check:

5.  $10x^2 = 15x$

check:

6.  $w^3 = 16w$

check:

7.  $x(6x + 1) = 2$

check: