Name _____ Date _____

Quadratics: Using Square Roots and Zero Property - Step-by-Step Lesson

Solve for m and write your answers as integers or as proper or improper fractions in simplest form.

$(m - 6)(m - 5) = 0$

Explanation:

We know that the Zero Product Property states that for all real numbers a and b:

If $ab = 0$, then $a = 0$ or $b = 0$

According to the Zero Product Property, if $(m - 6)(m - 5) = 0$, then $(m - 6)$ must be 0 or $(m - 5)$ must be 0. Now we will write two equations and solve m.

$m - 6 = 0$ or $m - 5 = 0$

$m = 6$ or $m = 5$