Name _____     Date _____

## Identifying Zeros of Polynomials - Step-by-Step Lesson

Solve for f and write your answers as whole numbers in the simplest form.

$$(f - 8)\ (f - 6) = 0$$

**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 $(f - 8)\ (f - 6) = 0$, then $(f - 8)$ must be 0 or $(f - 6)$ must be 0.

Now we will write two equations and solve f.

f – 8 = 0    or    f – 6 = 0

f = 8        or    f = 6