A. From algebra we learn:

$$\frac{b^2}{(b-1)^2 - 1} = \frac{b}{b-2}$$

- B. Use the following rules:
 - 1. The numerator is simply b.
 - 2. The denominator is b 2.
 - 3. Reduce the fraction if need be.

Ex [1]
$$\frac{7^2}{6^2 - 1} =$$
 _____(fraction).

a) Since the b in this case is 7, the numerator is 7 and the denominator is 7-2 or 5.

Ex [2]
$$\frac{10^2}{9^2 - 1} =$$
 _____(fraction).

- a) Since the b in this case is 10, the numerator is 10 and the denominator is 10 2 or 8.
- b) The answer is 10/8. However, we must reduce this fraction to 5/4.
- c) The final answer is $\frac{5}{4}$.