

Name : \_\_\_\_\_

## Solving the Equations

L2S5

Solve.

1)  $\frac{7(n+3)!}{(n+2)!} = 56$

2)  $(n^2)! = 9(n^2 - 1)!$

3)  $\frac{(2n+5)!}{(2n+4)!} = 7(3n+6)!$

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5)  $n! - 3! =$

$\frac{-1)!}{n^2}$

## Solving the Equations

Solve.

1)  $\frac{7(n+3)!}{(n+2)!} = 56$

2)  $(n^2)! = 9(n^2 - 1)!$

$n = 5$

3)  $\frac{(2n+5)!}{(2n+4)!} = 7(3n+6)!$

$n = 9$

5)  $n! - 3! = \frac{-1)!}{n^2}$

$n = 4$

$n = 2$

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