

Name : _____

Solving the Equations

L2S5

Solve.

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

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

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

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

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

n = 4

n = 2

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