

Name : _____

Solving the Equations

L2S2

Solve.

1) $(5n)! = 15(5n - 6 \div 3)!$

2) $\frac{(3n - 1)!}{(3n)!} = \frac{8}{4!}$

3) $\frac{(n + 4)}{(n - 2)(n - 1)}$

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$! = (n - 0)!$

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5) $(2n - 3)! =$

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$= 6(4n - 1)!$

Solving the Equations

Solve.

1) $(5n)! = 15(5n - 6 \div 3)!$

2) $\frac{(3n - 1)!}{(3n)!} = \frac{8}{4!}$

$n = 3$

3) $\frac{(n + 4)}{(n - 2)(n - 1)}$

PREVIEW

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$! = (n - 0)!$

$n = 8$

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5) $(2n - 3)! =$

$= 6(4n - 1)!$

$n = 5$

$n = \frac{1}{2}$