

## Simplifying the Expressions

Simplify.

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

2)  $\frac{(7n^2-6)!}{(7n^2-7)!} + 6$

3)  $\frac{((4n)!)^3}{((4n)!)^3 (4n)!$

5)  $\frac{(6n)!}{(6n-2)! 2$

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## Simplifying the Expressions

Simplify.

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

2)  $\frac{(7n^2-6)!}{(7n^2-7)!} + 6$

$\frac{1}{n(n-1)}$

3)  $\frac{((4n)!)^3}{((4n)!)^3 (4n)!$

$2n-1$

5)  $\frac{(6n)!}{(6n-2)! 2$

$3n(6n-1)$

$1$

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