

Simplifying the Expressions

Simplify.

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

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

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

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

$$\frac{!}{+ 3!}$$

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) $\frac{((4n)!)^2}{((4n)!)^3 (4n)}$

$2n-1$

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

$3n(6n-1)$

1

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$\frac{!}{+ 3!}$