

**Simplifying the Expressions**

Simplify.

1)  $\frac{(9n)!}{3n(9n-2)!}$

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

3)  $\frac{(n+0!)n!}{(n+1)!}$

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5)  $\frac{(n+3)!}{(n+2)!}$

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

## Simplifying the Expressions

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$$3) \frac{(n+0!)n!}{(n+1)!}$$

$$5) \frac{(n+3)!}{(n+2)!}$$

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$$n+7$$

$$2(n+1)$$