

Name : \_\_\_\_\_

## Simplifying the Expressions

Sheet 1

Simplify.

1)  $\frac{(5n - 9)!}{(5n - 7)!}$

2)  $\frac{(n + 5)!}{(n + 5)(n + 4)!} + 0!$

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

5)  $\frac{n(3n + 8)!}{(3n + 9)!}$

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