

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

## Evaluating Factorial

L2S5

Evaluate the following.

1)  $((12 - 11 + 0!)!)^4$       2)  $((4! \div 12)!)^2 - 10$       3)  $5! 3! \times 24 \div 4!$

4)  $\frac{6! - 5!}{5!}$

# PREVIEW

$36 - 0! + \sqrt{\frac{64!}{63!}}$

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7)  $\frac{(4! - (3 \times 3!))}{(3!)^2}$

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$\frac{91! 1!}{89! \times 7} \div 2$

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10)  $(1!)^3 - (2!)^3$

11)  $\frac{78!}{77! \times 26} + 4!$

12)  $\frac{(24 \div 3!)^2}{(2! + 4)^3}$

## Evaluating Factorial

Evaluate the following.

1)  $((12 - 11 + 0!)!)^4$

**16**

2)  $((4! \div 12!)^2 - 10$

**-6**

3)  $5! 3! \times 24 \div 4!$

**720**

4)  $\frac{6! - 5!}{5!}$

**5**

# PREVIEW

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36 - 0! +  $\sqrt{\frac{64!}{63!}}$

**43**

7)  $\frac{(4! - (3 \times 3!))}{(3!)^2}$

**20**

$\frac{91! 1!}{89! \times 7} \div 2$

**585**

10)  $(1!)^3 - (2!)^3$

**-7**

11)  $\frac{78!}{77! \times 26} + 4!$

**27**

12)  $\frac{(24 \div 3!)^2}{(2! + 4)^3}$

 **$\frac{2}{27}$**