

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

## Solve the Equations

L1S2

Solve.

1)  $\frac{7}{(r-4)!} = C(7, r-4)$

2)  $30C(n, 5) - 12 = 18$

3)  $\frac{C(n, 3)}{11} = \frac{1}{1}$

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5)  $90 - C(15n,$

$n, 12n - 3)$

7)  $\frac{1}{C(8, 4r)} = (8 - 4r)!$

8)  $r! \times C(10, r) = \frac{10!}{6}$

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**Solve the Equations**

Solve.

1)  $\frac{7}{(r-4)!} = C(7, r-4)$

**$r = 5$**

2)  $30C(n, 5) - 12 = 18$

**$n = 5$**

3)  $\frac{C(n, 3)}{11} = \frac{1}{1}$

**$n = 3$**

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5)  $90 - C(15n,$

**$n = 6$**

$)n, 12n - 3)$

7)  $\frac{1}{C(8, 4r)} = (8 - 4r)!$

**$r = 2$**

8)  $r! \times C(10, r) = \frac{10!}{6}$

**$r = 7$**