

Name : _____

Solve the Equations

L1S1

Solve.

1) $C(n, 5) + 8 = 9$

2) $-17 = -2 - C(6n + 1, 2)$

3) $C(r + 1, r) =$

$\times (4r - 3)! = 5$

5) $1 = (5 - 3r)!$

$= \frac{9!}{r!(9 - r)!}$

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7) $\frac{2}{C(n, 1)} = \frac{1}{4}$

8) $\frac{C(7n, 3)}{14} = (7n - 1)(7n - 2)$

Solve the Equations

Solve.

1) $C(n, 5) + 8 = 9$

$n = 5$

2) $-17 = -2 - C(6n + 1, 2)$

$n = \frac{5}{6}$

3) $C(r + 1, r) =$

$r = 11$

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$\times (4r - 3)! = 5$

5) $1 = (5 - 3r)!$

$r = \frac{5}{3} \text{ or } 1$

$= \frac{9!}{r!(9-r)!}$

7) $\frac{2}{C(n, 1)} = \frac{1}{4}$

$n = 8$

8) $\frac{C(7n, 3)}{14} = (7n - 1)(7n - 2)$

$n = 12$