

Name : _____

Solve the Equations

L2S2

Solve.

1) $\frac{11!}{r! C(11, r)} - 6 = C(18, 17)$

2) $C(10, 3) - 110 = C(5n + 3, 1)$

3) $n^2 - 13n + 42 =$

$C(r - 1, 7)$

5) $C(24, 1) = 3(r! C$

$C(10, 4)$

7) $\frac{1}{C(n, 6)} = \frac{1}{C(n, 4)}$

8) $C(10, r - 3) \times C(3, 2) = 15C(9, r - 3)$

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Solve the Equations

Solve.

1) $\frac{11!}{r! C(11, r)} - 6 = C(18, 17)$

2) $C(10, 3) - 110 = C(5n + 3, 1)$

$r = 7$

$n = \frac{7}{5} \text{ or } 1\frac{2}{5}$

3) $n^2 - 13n + 42 =$

$r - 1, 7)$

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$n = 8$

5) $C(24, 1) = 3(r! C$

$C(10, 4)$

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$r = 1$

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7) $\frac{1}{C(n, 6)} = \frac{1}{C(n, 4)}$

8) $C(10, r - 3) \times C(3, 2) = 15C(9, r - 3)$

$n = 10$

$r = 11$