

Name : _____

Solve the Equations

L1S2

Solve.

1) $P(5, 4) - C(5n, 5n - 2) = -180$

2) $\frac{1}{C(12, 11)} = \frac{13}{P(13n, 2)}$

3) $P(n, 4) \times 0!$

PREVIEW

$2C(9, 3r)$

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5) $P(6, r - 3) =$

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$(45r - 9)!$

7) $\frac{P(4n - 1, 2)}{17} = C(4n - 2, 1)$

8) $C(10, 7) = P(n - 1, 2) + 30$

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Solve the Equations

Solve.

$$1) \quad P(5, 4) - C(5n, 5n - 2) = -180 \qquad 2) \quad \frac{1}{C(12, 11)} = \frac{13}{P(13n, 2)}$$

$n = 5$

$n = 1$

3) $P(n, 4) \times 0!$

PREVIEW

$2C(9, 3r)$

$n = 5$

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5) $P(6, r - 3) =$

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$(45r - 9)!$

$r = 8$

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7) $\frac{P(4n - 1, 2)}{17} = C(4n - 2, 1)$

8) $C(10, 7) = P(n - 1, 2) + 30$

$n = \frac{9}{2} \text{ or } n = 4\frac{1}{2}$

$n = 11$