

Name : _____

Solve the Equations

L2S3

Solve.

1) $P(n, 7) = 108P(8, 4)$

2) $\frac{P(n, 4)}{n} = 13(n^2 - 5n + 6)$

3) $P(8, 2r - 2) =$

PREVIEW

$$= \frac{(7r - 1)!}{42(6r - 1)!}$$

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5) $P(6, 2) = P(3, 2)$

$$\frac{6}{P(5, 4)}$$

7) $P(2n, n + 1) = 70P(2n - 1, n)$

8) $P(24, 1) = 3(P(16, r) - 8)$

Solve the Equations

Solve.

1) $P(n, 7) = 108P(8, 4)$

$n = 9$

2) $\frac{P(n, 4)}{n} = 13(n^2 - 5n + 6)$

$n = 14$

3) $P(8, 2r - 2) = \frac{(7r - 1)!}{42(6r - 1)!}$

$r = 4$

PREVIEW

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5) $P(6, 2) = P(3, n)$

$n = \frac{5}{3}$ or $n = 3$

$\frac{6}{P(5, 4)}$

7) $P(2n, n + 1) = 70P(2n - 1, n)$

$n = 35$

8) $P(24, 1) = 3(P(16, r) - 8)$

$r = 1$