

**Solve the Equations**

Solve.

1)  $P(7, r) + 3 = P(9, 1) + 1$

2)  $4P(n, 2) = \frac{80P(3, 1)}{3}$

3)  $P(10n, 1) -$

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:  $(25n^2 - 5n) P(4, 3)$

5)  $\frac{63}{P(9n, 2)} =$

) =  $\frac{5! (6n - 1)!}{(5n)!}$

7)  $P(13, 2r - 2) = 26P(12, 2r - 4)$

8)  $\frac{P(15, 3r)}{15!} = \frac{P(4, 1)}{24}$

## Solve the Equations

Solve.

1)  $P(7, r) + 3 = P(9, 1) + 1$

2)  $4P(n, 2) = \frac{80P(3, 1)}{3}$

$r = 1$

$n = 5$

3)  $P(10n, 1) =$

$(25n^2 - 5n) P(4, 3)$

$n = 10$

5)  $\frac{63}{P(9n, 2)} =$

$\frac{5! (6n - 1)!}{(5n)!}$

$n = 7$

7)  $P(13, 2r - 2) = 26P(12, 2r - 4)$

8)  $\frac{P(15, 3r)}{15!} = \frac{P(4, 1)}{24}$

$r = 7$

$r = 4$

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