

Name : _____

Solve the Equations

L2S1

Solve.

1) $\frac{20}{P(n, 6)} = \frac{1}{P(9, 4)}$

2) $12P(1, 1) = P(4, 2r)$

3) $66P(10, r) =$

$5) = P(n, 7)$

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5) $P(3r, 2r + 1)$

$(3, r)$

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7) $\frac{P(5, 5)}{P(4n, 1)} = 1$

8) $(7 - 2r)! \times P(8, 2r) = P(8, 6)$

Solve the Equations

Solve.

$$1) \quad \frac{20}{P(n, 6)} = \frac{1}{P(9, 4)}$$

$$n = 9$$

$$2) \quad 12P(1, 1) = P(4, 2r)$$

$$r = 1$$

$$3) \quad 66P(10, r) = \dots 5) = P(n, 7)$$

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$$r = 10$$

$$5) \quad P(3r, 2r + 1) \dots (3, r)$$

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$$r = 4$$

$$7) \quad \frac{P(5, 5)}{P(4n, 1)} = 1$$

$$n = 30$$

$$8) \quad (7 - 2r)! \times P(8, 2r) = P(8, 6)$$

$$r = 3$$