

Name : _____

Solve the Equations

L2S1

Solve.

$$1) \frac{C(23, 3n) \times P(5, 1)}{C(11, 9)} = C(23, 3n + 1) \quad 2) \frac{C(8, 6)}{(7 - r)! \times P(7, r - 1)} = \frac{1}{90}$$

$$3) P(2, 2) \times 12C(r) + P(5, 4) = 2C(10, 7)$$

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$$5) 7C(2r + 1, 2r) = \frac{5! - 56}{C(17n, 11)}$$