

**1** (i) Expand  $(1+y)^6$  in ascending powers of  $y$  as far as the term in  $y^2$ .

[1]

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**(ii)** In the expansion of  $(1 + (px - 2x^2))^6$  the coefficient of  $x^2$  is 48. Find the value of the positive constant  $p$ . [3]

[illegible]