| Question | | Working | Answer | Mark | Notes | |
|---|---|---|---|---|---|---|
| **15** | (a) | | $81x^8y^{20}$ | 2 | B2 | (B1 two terms correct in a product of 3 terms) |
| | (b) | $4n(n^2+2n-15)$ **or** $(4n^2-12n)(n+5)$ **or** $(4n^2+20n)(n-3)$ | $4n^3+8n^2-60n$ | 2 | M1 | For a correct partial expansion ( may be unsimplified e.g $4n(n^2+5n-3n-15)$ ) |
| | | | | | A1 | |
| | (c) | | $(2c-3d)(2c+3d)$ | 1 | B1 | |
| | (d) | $\frac{(4-x)(3-x)}{x(4-x)}$ or $\frac{(x-4)(x-3)}{x(4-x)}$ | $\frac{3-x}{x}$ | 3 | M1 | for either numerator or denominator factorised correctly |
| | | | | | M1 | for both numerator and denominator factorised correctly |
| | | | | | A1 | oe |