Factoring Polynomials

Factorize each polynomial by grouping.

1) $pq + 2q^2 - 7p - 14q$

2) $6a^4 - 3a^3 + 4a^2 - 2a$

3) $s^9 - 2s^6 - 16s^3 + 3$ ... $y + 2x^3y + 3x + 6$

5) $g^3h^3 - 5g^2h - 4gh$ ... $- 6cd$

7) $m^2n - 5m^2 - 9mr$ ... 5

9) $18v^8 + 6v^7 + 9v^3 + 3v^2$

10) $2(n + 1)^3 - 12(n + 1)^2 + 3(n + 1) - 18$