D

Factor each polynomial by factoring out a common binomial factor.

(1) $2x(x + 6) - 5(x + 6)$

(2) $4(x - 3) - x(y - 3)$

E

Factor each polynomial by grouping.

(1) $7x^3 - 35x^2 + 6x - 30$

(2) $6n^2 - 3n + 4 - 8n$

F

Factor each polynomial.
Each is of the form
$x^2 + bx + c$.

(1) $n^2 + 11n + 18$
(2) $y^2 - 6y - 27$
(3) $r^2 - 7r + 12$
(4) $x^2 + 3x - 10$