Factorizations Ex 7.3 Q1

Answer :

$6x(2x-y)+7y(2x-y)$

$=(6x+7y)(2x-y)$ $[Taking\ (2x-y)\ as\ the\ common\ factor]$

Factorizations Ex 7.3 Q2

Answer :

$2r(y-x)+s(x-y)$

$=2r(y-x)-s(y-x)$ $[\because (x-y)=-(y-x)]$

$=(2r-s)(y-x)$ $[Taking\ (y-x)\ as\ the\ common\ factor]$

Factorizations Ex 7.3 Q3

Answer :

$7a(2x-3)+3b(2x-3)$

$=(7a+3b)(2x-3)$ $[Taking\ (2x-3)\ as\ the\ common\ factor]$

Factorizations Ex 7.3 Q4

Answer :

$9a(6a-5b)-12a^2(6a-5b)$

$=(9a-12a^2)(6a-5b)$ $[Taking\ (6a-5b)\ as\ the\ common\ factor]$

$=3a(3-4a)(6a-5b)$ $[Taking\ 3a\ as\ the\ common\ factor\ of\ the\ quadratic\ (9a-12a^2)]$

********** END **********