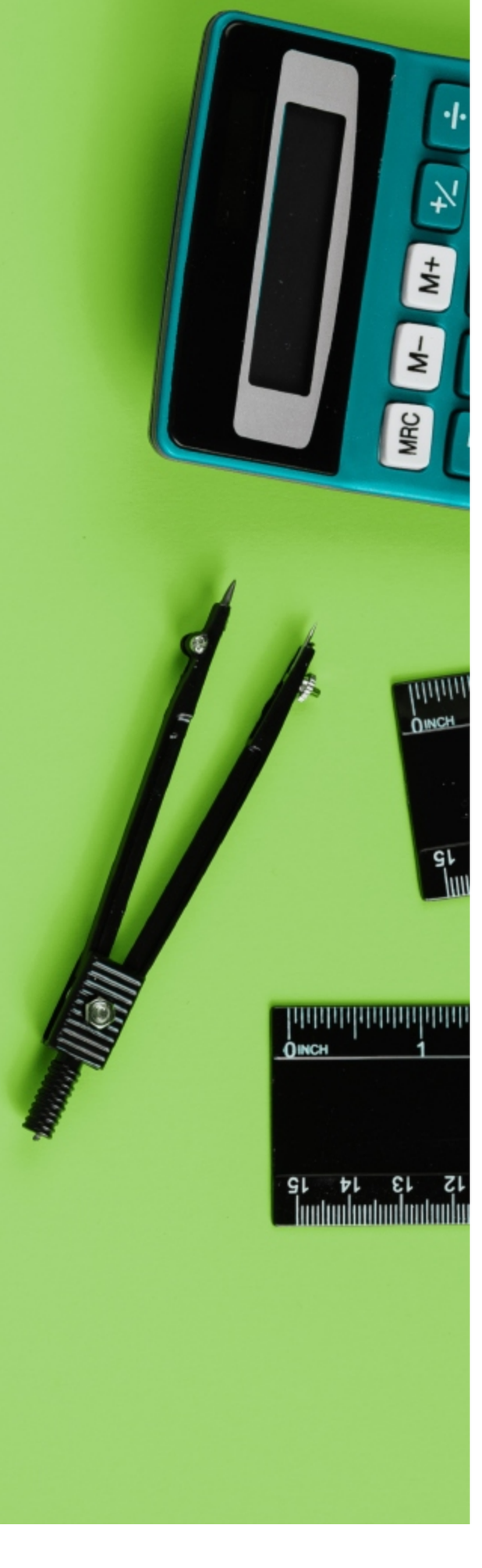
RD Sharma Solutions

Class 7

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Exercise 7.3

Q.1 Place the last two terms of the following expressions in parentheses preceded by a minus sign

(i) $x+y-3z+y$ (ii) $3x-2y-5z-4$

(iii) $3a-2b+4c-5$ (iv) $7a+3b+2c+4$

(v) $2a^2-b^2-3ab+6$ (vi) $a^2+b^2-c^2+ab-3ac$

Solution: (i) $x+y-(3z-y)$

(ii) $3x-2y-(5z+4)$

(iii) $3a-2b-(-4c+5)$

(iv) $7a+3b-(-2c-4)$

(v) $2a^2-b^2-(3ab-6)$

(vi) $a^2+b^2-c^2-(-ab+3ac)$

Q.2 Write each of the following statements by using appropriate grouping symbols:

(i) The sum of $a-b$ and $3a-2b+5$ is subtracted from $4a+2b-7$

(ii) Three times the sum of $2x+y-\{5-(x-3y)\}$ and $7x-4y+3$ is subtracted from $3x-4y+7$.

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(iii) the subtraction of x^2-y^2+4xy from $2x^2+y^2-3xy$ is added to $9x^2-3y^2-xy$

Solution: (i) $(4a+2b-7)-\{(a-b)+(3a-2b+5)\}$

(ii) $(3x-4y+7)-3[(2x+y)-\{5-(x-3y)\}+(7x-4y+3)]$

(iii) $\{(2x^2+y^2-3xy)-(x^2-y^2+4xy)\}+(9x^2-3y^2-xy)$

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