L9
Grade A
Progression: Medium

Solving Quadratic Equations (B) by Factorising

Section A

Find the solutions to the following equations.

1) $(x+2)(x+3)=0$

2) $(4x+3)(x-3)=0$

3) $(2x-5)(3x+2)=0$

4) $(4x+8)(2x-8)=0$

5) $(5x-15)(4x-2)=0$

6) $(9x-12)(5x+20)=0$

Solve the following equations by factorising.

Section B

1) $x^2+8x+15=0$

2) $x^2-7x+12=0$

3) $x^2+2x-15=0$

4) $x^2-11x+28=0$

5) $x^2-x-30=0$

6) $x^2+11x-26=0$

7) $x^2-5x-24=0$

8) $14+x^2+9x=0$

9) $7+x^2-18x=-25$

10) $x^2=17x-72$

Section C

1) $x^2-9=0$

2) $x^2-121=0$

3) $x^2-49=0$

4) $2x^2-128=0$

5) $4x^2-64=0$

6) $x^2-20=5$

7) $x^2-101=-1$

8) $4x^2-17=-1$

9) $3x^2-16=227$

10) $3x^2-55=53$

Section D

1) $2x^2+15x+25=0$

2) $2x^2-7x-15=0$

3) $3x^2+14x-24=0$

4) $12x^2-28x-5=0$

5) $28x^2-85x+63=0$

6) $19x-12-5x^2=0$