Completing the Square

N5 Maths Exam Questions

Source: 2019 P2 Q10 N5 Maths
(1)   Express $x^2 + 10x - 15$ in the form $(x + p)^2 + q$.

Source: 2018 P1 Q19 a(i) N5 Maths
(2)   Express $x^2 - 6x - 81$ in the form $(x - p)^2 + q$.

Source: 2016 P2 Q9 N5 Maths
(3)   Express $x^2 + 8x - 7$ in the form $(x + a)^2 + b$.

Source: Specimen P1 Q9 N5 Maths
(4)   A parabola has equation $y = x^2 - 8x + 19$.   (a) Write the equation in the form $y = (x - p)^2 + q$.