Factorising

N5 Maths Exam Questions

Source: 2018 P1 Q5 N5 Maths
(1) Solve $$x^2 - 11x + 24 = 0.$$
Answers: $x = 3, x = 8$

Source: 2017 P2 Q9 N5 Maths
(2) (a) Factorise $4x^2 - 25$.   (b) Hence simplify $\dfrac{4x^2 - 25}{2x^2 - x - 10}$.
Answers: $(a)(2x - 5)(2x + 5)$ $(b) \dfrac{2x+5}{x+2}$

(3) Factorise fully $3x^2 - 48$.

Answer: $3(x + 4)(x - 4)$

(4) Simplify $\dfrac{x^2 - 4x}{x^2 + x - 20}$.

Answer: $\dfrac{x}{x+5}$

(5) Solve the equation

$$2x^2 + 7x - 15 = 0.$$

Answers: $x = -5$, $x = 1.5$