

Solutions - Factoring

Question 1. Solution:

1. $f(x) = (x + 8)^2$
2. $g(x) = -(x + 2)(x + 13)$
3. $f(x) = (3x + 7)(3x - 7)$
4. $r(x) = (2x - 1)(3x + 2)$
5. $g(x) = (3x - 1)(-3x + 1)$
6. $Y(x) = (21x + 6)(x + 1)$
7. $I(x) = 2(3x - 8)(2x + 1)$
8. $A(x) = (x + 1)(2x + 5)$
9. $f(x) = 4(x + 2)^2$
10. $r(x) = -(x - 2)(x - 11)$
11. $f(x) = -(10x + 11)(10x - 11)$
12. $f(x) = (7x - 6)(x + 3)$
13. $L(x) = -(3x + 2)(3x - 2)$
14. $\Gamma(x) = (3x + 2)(4x + 3)$
15. $\Lambda(x) = -2(x + 2)(x - 6)$
16. $\Phi(x) = (x + 1)(-5x + 7)$
17. $\Theta(x) = -3(x + 5)(x - 2)$
18. $\kappa(x) = (x - 7)(x + 11)$
19. $\alpha(x) = (2x - 7)(x + 2)$
20. $S(x) = (3x - 2)(2x + 3)$