

4.3.D3 • Intercepts & Factoring

For the quadratic function, factor to find the zeros and also find the y -intercept.

1. $Q(x) = x^2 - 3x - 40$

2. $U(x) = x^2 - 9x + 18$

3. $A(x) = x^2 + 8x + 15$

4. $D(x) = 2x^2 - 8x - 10$

5. $r(x) = 2x^2 + 13x - 7$

6. $a(x) = 3x^2 + 11x + 6$

7. $T(x) = 6x^2 - 7x - 3$

8. $c(x) = -6x^2 + 17x - 12$

9. $q(x) = 8x^2 + 11x + 3$

10. $u(x) = 6x^2 - 7x - 20$

11. $a(x) = -4x^2 - 16x - 15$

12. $d(x) = 15x^2 - 19x + 6$