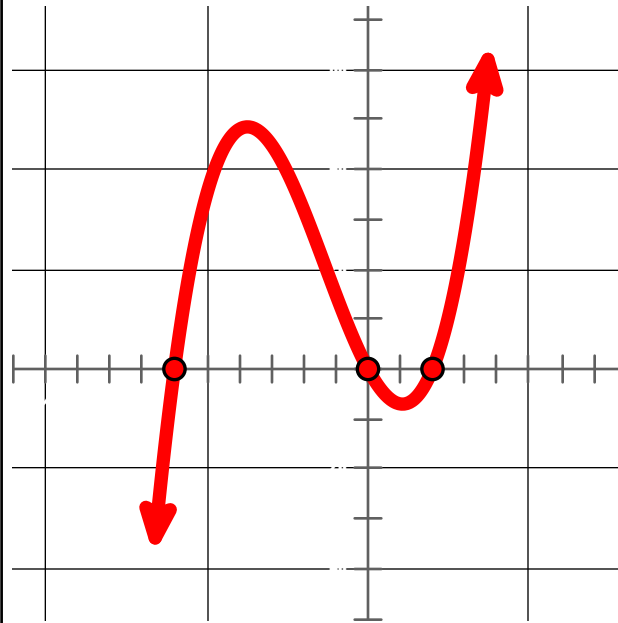


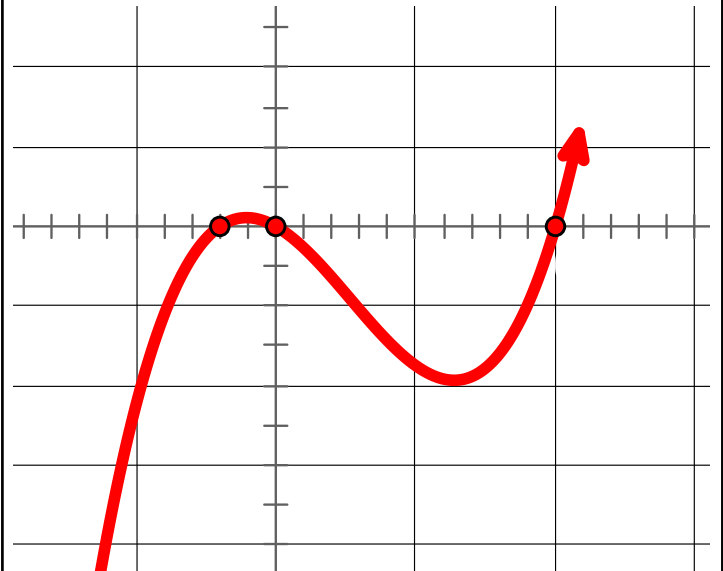
Factored Form Answers

1. $y = (x-5)(x+1)(x-3)$	2. $y = (x-2)(x-3)(x+1)(x+3)$
3. $y = x(x+8)(x-2)$	4. $y = x(x+10)(x-2)(x-3)(x+6)$

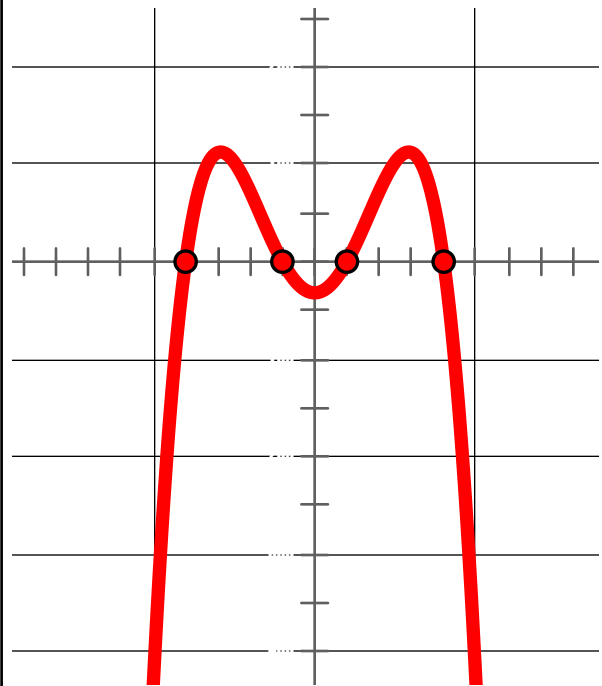
5. Deg: 3 LC: 1 EB: $\downarrow\uparrow$ Roots: $x = 0, -6, 2$



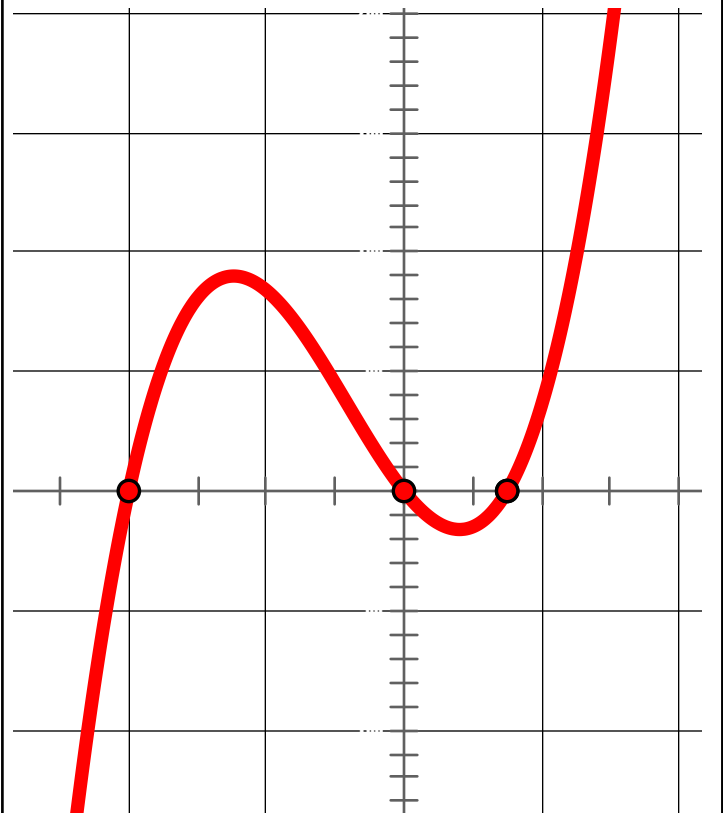
6. Deg: 3 LC: 2 EB: $\downarrow\uparrow$ Roots: $x = 0, -2, 10$



7. Deg: 4 LC: -2 EB: $\downarrow\downarrow$ Roots: $x = 1, -1, 4, -4$



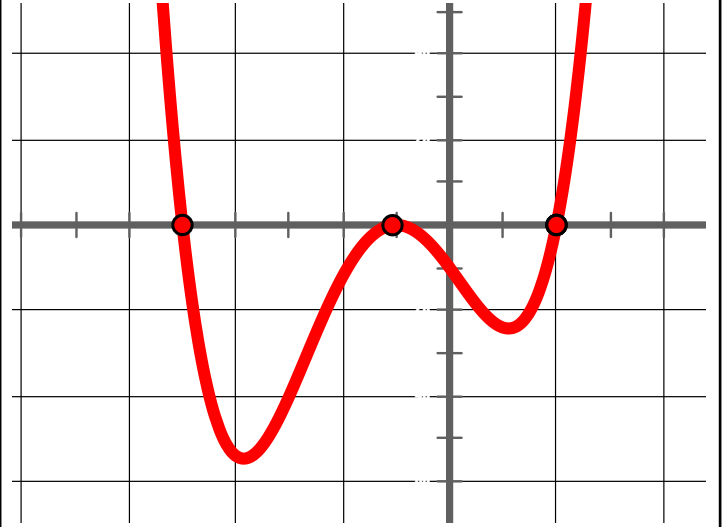
8. Deg: 3 LC: 6 EB: $\downarrow\uparrow$ Roots: $x = 0, -2, 10$



9. Deg: 3 LC: 1 EB: ↓↑ Roots: $x = -6$ (mult 2), -7



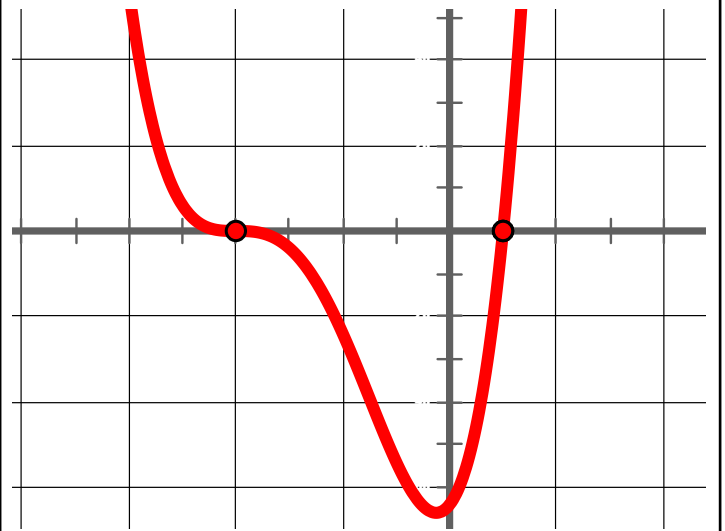
10.. Deg: 4 LC: 1 EB: ↑↑ Roots: $x = -5, 2, -1$ (mult 2)



11. Deg: 5 LC: 1 EB: ↑↓ Roots: $x = 0, 2$ (mult 2), -3 (mult 2)



12. Deg: 4 LC: 1 EB: ↑↑ Roots: $x = 1, -4$ (mult 3)



13. $y = x^2(x-1)(x+2)^2$

14. $y = (x+2)(x+1)^2(x-2)^3$

$y = x(x+15)(x+10)^2(x+5)(x-10)^2(x-15)$