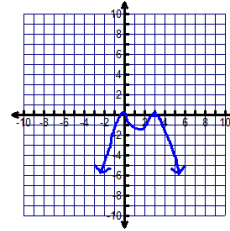1. $f(x) = (x-2)(x-3)(x-i)(x+i)$; x-intercepts = (2,0) (3,0); degree = 4

3. $f(x) = (x-\sqrt{3})(x+\sqrt{3})(x-5-6i)(x-5+6i)(x+4)$; x-intercepts =(-4,0) $(\pm\sqrt{3}, 0)$; degree = 5

5. $f(x) = x^3 - 4x^2 + 29x$; x-intercept = (0,0); degree = 3

7. $f(x) = -2(x-2i)(x+2i)(x+6)^3$; x-intercept =(-6,0); degree = 5

9. $f(x) = -x^4 + 6x^3 - 9x^2$; x-intercept = (0,0), (3,0); degree = 4

11. b

13. d

15. $f(x) = (x-i)(x+i)(x-3)(x+2)$

17. $f(x) = (x-3-2i)(x-3+2i)(x-\sqrt{2})(x+\sqrt{2})$

19. $f(x) = -(2x-3)(x+\sqrt{2})(x-\sqrt{2})$

21. $f(x) = (x-3)(x+1)(x^2+4)$