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In[95]:= P[0] = {2, 0};
        (* P[1]={2,1}; *)
        P[1] = {2, 1.5};
        P[3] = {0, 2};
        P[6] = {-2, 0};
        (* P[8]={-1,-2}; *)
        P[8] = {-1.5, -2};
        P[9] = {0, -2};

In[101]:= (* Punctele P1 s P8 au fost definite de utilizator fara o formula anume *)

In[102]:= d[1] = 1 / 15 (-7 P[1] + 28 P[3] - 8 P[6] + 2 P[8]);
        d[2] = 1 / 15 (2 P[1] - 8 P[3] + 28 P[6] - 7 P[8]);

In[104]:= P[2] = 1 / 2 P[1] + 1 / 2 d[1];
        P[4] = 2 / 3 d[1] + 1 / 3 d[2];
        P[5] = 1 / 3 d[1] + 2 / 3 d[2];
        P[7] = 1 / 2 P[8] + 1 / 2 d[2];

In[108]:= b[k_] [t_] := Binomial[3, k] t^k (1 - t)^(3 - k)

In[109]:= Polig1 = Graphics[{Red, Line[Table[P[i], {i, 0, 3}]]}];
        Polig2 = Graphics[{Green, Line[Table[P[i], {i, 3, 6}]]}];
        Polig3 = Graphics[{Magenta, Line[Table[P[i], {i, 6, 9}]]}];

In[112]:= Bez1 = ParametricPlot[ $\sum_{k=0}^3 b[k][t] \times P[k]$ , {t, 0, 1}, PlotStyle → Red];

        Bez2 = ParametricPlot[ $\sum_{k=0}^3 b[k][t] \times P[k+3]$ , {t, 0, 1}, PlotStyle → Green];

        Bez3 = ParametricPlot[ $\sum_{k=0}^3 b[k][t] \times P[k+6]$ , {t, 0, 1}, PlotStyle → Magenta];

In[115]:= L1 = ParametricPlot[(1 - t) P[2] + t d[1], {t, 0, 1}, PlotStyle → {Dashed, Black}];
        L2 = ParametricPlot[(1 - t) P[4] + t d[1], {t, 0, 1}, PlotStyle → {Dashed, Black}];
        D1 = Graphics[{Black, PointSize[Large], Point[d[1]]}];

In[118]:= L3 = ParametricPlot[(1 - t) P[5] + t d[2], {t, 0, 1}, PlotStyle → {Dashed, Black}];
        L4 = ParametricPlot[(1 - t) P[7] + t d[2], {t, 0, 1}, PlotStyle → {Dashed, Black}];
        D2 = Graphics[{Black, PointSize[Large], Point[d[2]]}];

In[128]:= cerc = ParametricPlot[2 {Cos[t], Sin[t]}, {t, 0, 3 Pi / 2}, PlotStyle → Yellow];

In[122]:= p0 = Graphics[{Blue, PointSize[Large], Point[P[0]]}];
        p3 = Graphics[{Blue, PointSize[Large], Point[P[3]]}];
        p6 = Graphics[{Blue, PointSize[Large], Point[P[6]]}];
        p9 = Graphics[{Blue, PointSize[Large], Point[P[9]]}];

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In[129]:= Show[Polig1, Polig2, Polig3, Bez1, Bez2, Bez3, cerc, L1, L2, D1, L3, L4, D2, p0, p3, p6, p9]
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Out[129]=

