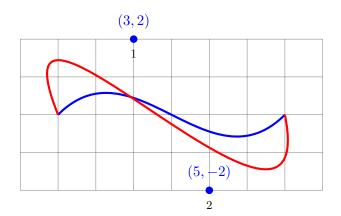
One control point:

```
\begin{tikzpicture}[baseline]
                                                              (4,6)
\draw[help lines] (0,0) grid (8,5);
\draw[ultra thick]
  (1,0)
    .. controls (4,0) ..
  (7,0) \DrawControl{(4,0)}{black}{};
\draw[ultra thick,blue]
  (1,0)
    .. controls (4,2) ..
                                                              (4, 2)
  (7,0) \DrawControl{(4,2)}{blue}{};
\draw[ultra thick,red]
  (1,0)
    .. controls (4,6) ..
                                                               (4,0)
  (7,0) \DrawControl{(4,6)}{red}{};
\end{tikzpicture}\hfill
\begin{tikzpicture}[baseline]
                                                    (2,6)
\draw[help lines] (0,0) grid (8,5);
\draw[ultra thick]
  (1,0)
    .. controls (2,0) ..
  (7,0) \DrawControl{(2,0)}{black}{};
\draw[ultra thick,blue]
  (1,0)
    .. controls (2,2) ..
                                                    (2, 2)
  (7,0) \DrawControl{(2,2)}{blue}{};
\draw[ultra thick,red]
  (1,0)
    .. controls (2,6) ..
                                                    (2,0)
  (7,0) \DrawControl{(2,6)}{red}{};
\end{tikzpicture}
\begin{tikzpicture}[baseline]
                                                             (2,6)
\draw[help lines] (0,0) grid (8,5);
\draw[ultra thick]
  (1,0)
    .. controls (2,0) ..
  (7,0) \DrawControl{(2,0)}{black}{};
\draw[ultra thick,blue]
  (1,0)
    .. controls (2,2) ..
                                                             (2, 2)
  (7,0) \DrawControl{(2,2)}{blue}{};
\draw[ultra thick,red]
  (1,0)
    .. controls (2,6) ..
                                                             (2,0)
  (7,0) \DrawControl{(2,6)}{red}{};
\end{tikzpicture}
```

Two control points:

```
\begin{tikzpicture}[baseline]
\draw[help lines] (0,-2) grid (8,2);
\draw[ultra thick,blue]
 (1,0)
   \dots controls (3,2) and (5,-2) \dots
 (7,0) \DrawControl{(3,2)}{blue}{1}\DrawControl{(5,-2)}{blue}{2};
\draw[ultra thick,red]
 (1,0)
   \dots controls (-1,5) and (8,-5) \dots
 \end{tikzpicture}
\rule{\textwidth}{2pt}
```

(-1,5)

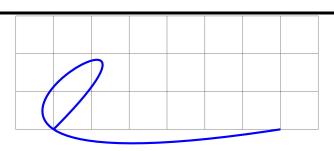


(8,-5) \bullet

```
\begin{tikzpicture}[baseline]
\draw[help lines] (0,0) grid (8,3);
\draw[ultra thick,blue]
 (1,0)
   \dots controls (3,2) and (5,2) \dots
   (7,0) \DrawControl{(3,2)}{blue}{1}\DrawControl{(5,2)}{blue}{2} ; 
\draw[ultra thick,red]
 (1,0)
   \dots controls (3,4) and (5,4) \dots
 \end{tikzpicture}\hfill
\begin{tikzpicture}[baseline]
\draw[help lines] (0,0) grid (8,3);
\draw[ultra thick,blue]
 (1,0)
   \dots controls (2,2) and (6,2) \dots
 \draw[ultra thick,red]
 (1,0)
   \dots controls (2,4) and (6,4) \dots
  (7,0) \DrawControl{(2,4)}{red}{1}\DrawControl{(6,4)}{red}{2};
\end{tikzpicture}
                                         (10, 2)
                                        (6,5)
```

2

(-2,2)



```
-6, -2)
```