

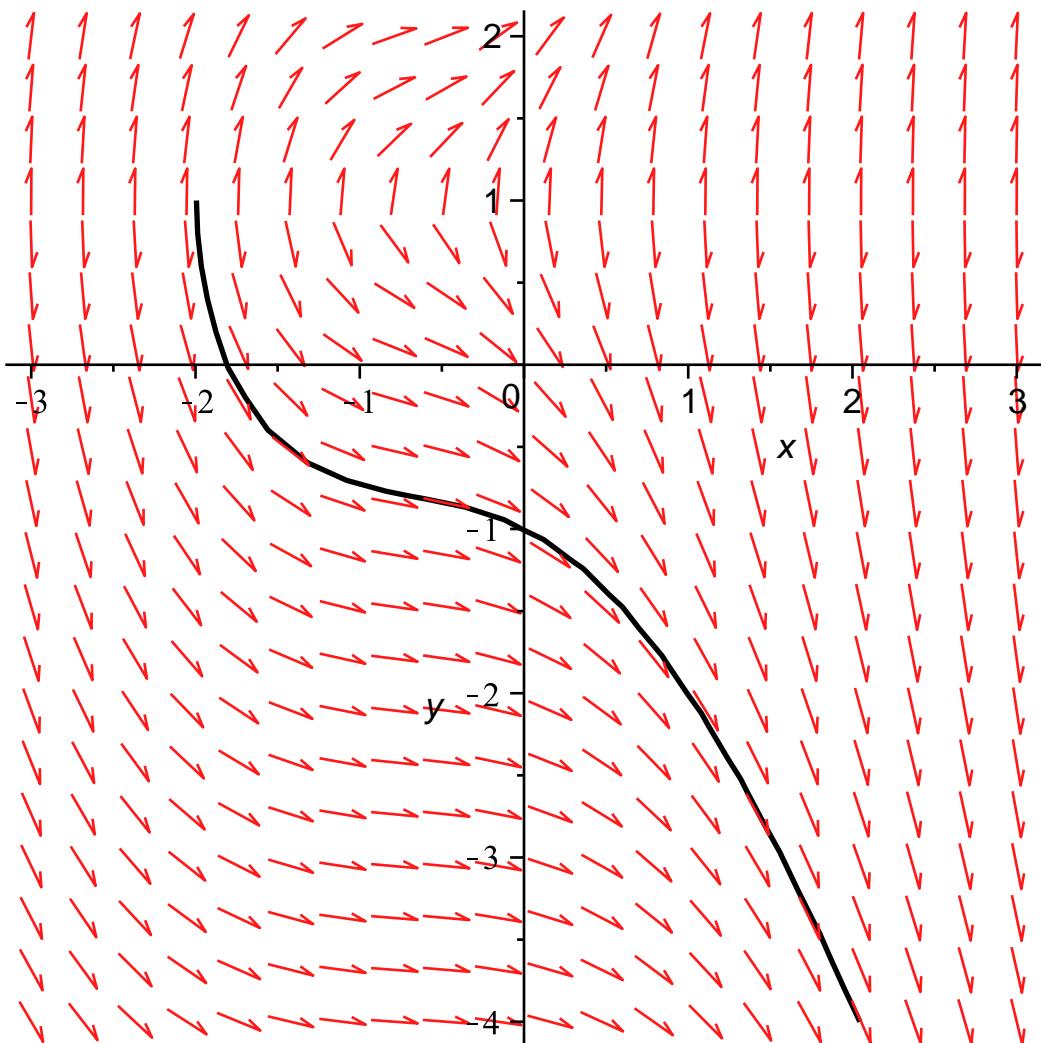
```
> Eqn:=y^2-2*y=x^3+2*x^2+2*x+3;
Eqn :=  $y^2 - 2 y = x^3 + 2 x^2 + 2 x + 3$  (1)
```

```
> with(plots):
> A:=implicitplot(Eqn,x=-3..3,y=-4..1,color=black,thickness=2);
A := PLOT(...)
```

```
> with(DEtools):
> DiffEq:=2*(y(x)-1)*diff(y(x),x)=3*x^2+4*x+2;
DiffEq := 2 (y(x) - 1)  $\left( \frac{dy}{dx} \right) = 3 x^2 + 4 x + 2$  (3)
```

```
> B:=DEplot(DiffEq,y(x),x=-3..3,y=-4..2);
B := PLOT(...)
```

```
> display({A,B});
```



```
> Eqn2:=1-sqrt(x^3+2*x^2+2*x+4);
Eqn2 := 1 -  $\sqrt{x^3 + 2 x^2 + 2 x + 4}$  (5)
```

```
> C:=plot(Eqn2,x=-3..3,y=-4..2);
C := PLOT(...)
```

```
> plot(x^3+2*x^2+2*x+4,x=-3..3);
```

