SF1

SF2

SF3

SF4

SF5

SF6

SF7

SF8

SF9

SF10

$$\frac{dy}{dx} = x$$

DE5

$$\frac{dy}{dx} = \frac{x}{y}$$

DE2

$$\frac{dy}{dx} = 2 - y$$

DE9

$$\frac{dy}{dx} = -\frac{y}{x}$$

DE6

$$\frac{dy}{dx} = x - y$$

DE1

$$\frac{dy}{dx} = y - x$$

DE3

$$\frac{dy}{dx} = \frac{y}{2}$$

DE7

$$\frac{dy}{dx} = x + y$$

DE10

$$\frac{dy}{dx} = -\frac{x}{y}$$

DE4

$$\frac{dy}{dx} = .25y(4 - y)$$

DE8

The solution curves
are parabolas.

C10

The solution curves
are hyperbolas.

C3

$$\lim_{x\to\infty} y = 2$$

C8

If $y > 0$ and $x \neq 0$, the
solution curve is
concave up. If $y < 0$
and $x \neq 0$, the solution
curve is concave down.

C9

The solution curve
that passes through
the point $(0, -1)$ is the
line $y = x - 1$.

C2

The solution curve that
passes through the point
(1, 1) has a local
maximum at (1, 1).

C5

The solution curves
have a horizontal
asymptote only
at $y = 0$.

C6

The solution curve
that passes through
the point $(-1, 0)$ is the
line $y = -x - 1$.

C4

The solution curves
are circles.

C1

For $y > 0$, the solution
curve is logistic and
has two horizontal
asymptotes.

C7

SLOPE FIELD CARD MATCH

Slope Fields	Differential Equations	Conclusions
SF 1		
SF 2		
SF 3		
SF 4		
SF 5		
SF 6		
SF 7		
SF 8		
SF 9		
SF 10		

SLOPE FIELD CARD MATCH SOLUTIONS
Nancy Stephenson
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Slope Fields	Differential Equations	Conclusions
SF 1	5	10
SF 2	9	8
SF 3	1	2
SF 4	7	6
SF 5	4	1
SF 6	2	3
SF 7	6	9
SF 8	3	5
SF 9	10	4
SF 10	8	7