

1-4

1.3

2.  $y^2 = -\frac{25}{2}x^2 + c$

3.  $y = 10 \tan\left(\frac{x+c}{10}\right)$

4.  $y = \frac{1}{x^3 + c}$

5.  $y = c e^{\frac{x^2}{4}}$

6.  $y = \frac{1}{kx + c}$

12.  $x^2 + y^2 = 4$

13.  $y = -\frac{4}{|x|}$

14.  $x^4 + y^4 = 1$

15.  $y = \frac{1}{2(x+2)e^{-x} + 2}$

16.  $y = \frac{1}{2} \tan(2x)$

1-5

1.5

7.  $x^2 y = c$

8.  $\frac{y}{x} = c$

9.  $\cosh x \cos y = c$

10.  $e^{3\theta} r = c$

11.  $e^{-2\theta} r^2 = c$

12.  $x \cot y + \frac{1}{3}x^3 = c$

13.  $x e^{-\frac{1}{3y}} = e^{-\frac{2}{3}}$

14.  $\frac{\sin 2x}{y} = \frac{1}{3.8}$

15.  $x - \frac{y^2}{x} = -3$

16.  $y e^x + y^2 = 0$

17.  $-x e^y + x e^x = e - 1$

18.  $e^{2x} \sin \omega y = 1$

19.  $-\cos 2x \sinh y = -\sinh 1$

20.  $e^{x^2} y = 2$