9- 20 = xlogx

$$e^{-\log x} = \frac{1}{x}$$

$$\frac{1}{X}y = \chi \log x - \chi + c$$

$$y = \chi^2(\log x - 1) + c\chi$$

(2)
$$S^2 + 2S + 3 = 0$$

 $S = 1 \pm \sqrt{2}i$

(3)
$$5^2 + 25 + 3 = 6$$

 $5 = 1 \pm \sqrt{5}i$

$$(-4/4 + 48 + 3/4)$$
 COS2X + $(-48 - 4/4 + 3/8)$ 5/n3X = COS2X

$$\begin{cases}
4B - A = 1 & A = -\frac{1}{17} \\
-B - 4A = 0 \Rightarrow B = -4A & B = \frac{4}{17}
\end{cases}$$

$$y = -\frac{1}{17} \cos 2x + \frac{4}{17} \sin 2x$$