

رسانندگی الکتریکی در دو بعد (۱۰ نمره)

اعداد 0 تا 9 را در جدول زیر بنویسید:

0	1	2	3	4	5	6	7	8	9

بخش A: "دست گرمی" (۱ نمره)

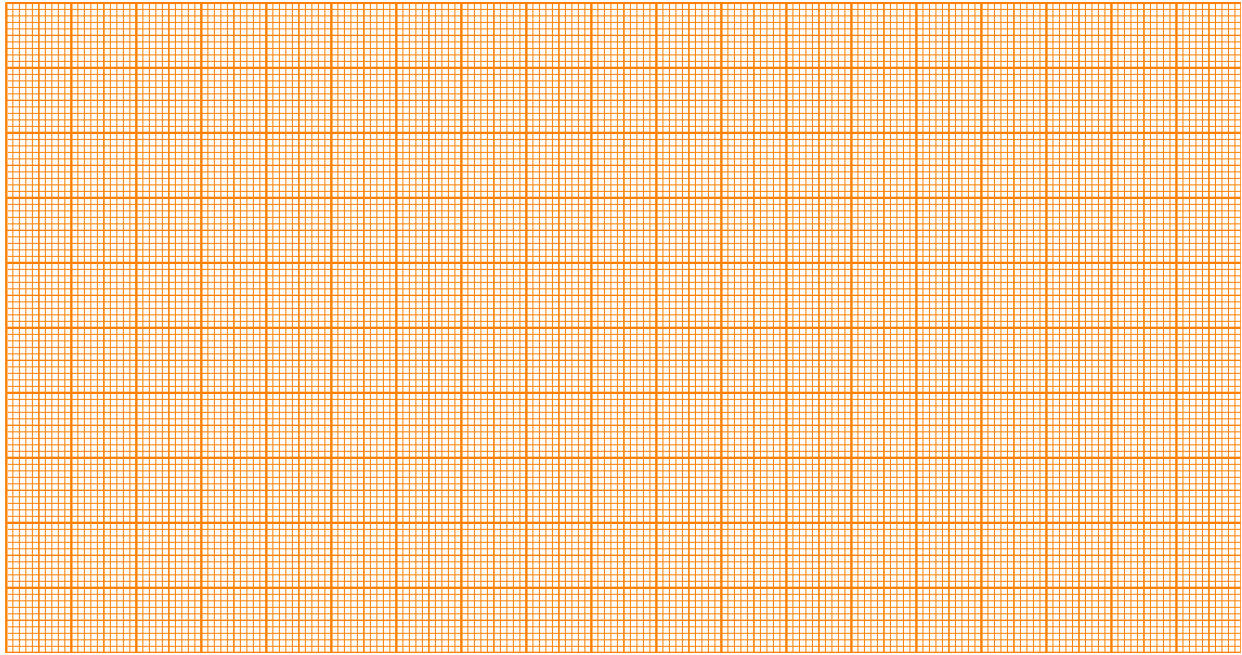
(0.2 pt) **A.1**

(0.4 pt) **A.2**

I	V	I	V

مقادیر خود را در گراف A.1 رسم کنید.

گراف I : A.1 بر حسب V



(0.1 pt) **A.3**

$$R =$$

(0.1 pt) **A.4**

$$R_{\text{col}} =$$

$$\frac{\Delta R_{\text{col}}}{R_{\text{col}}} =$$

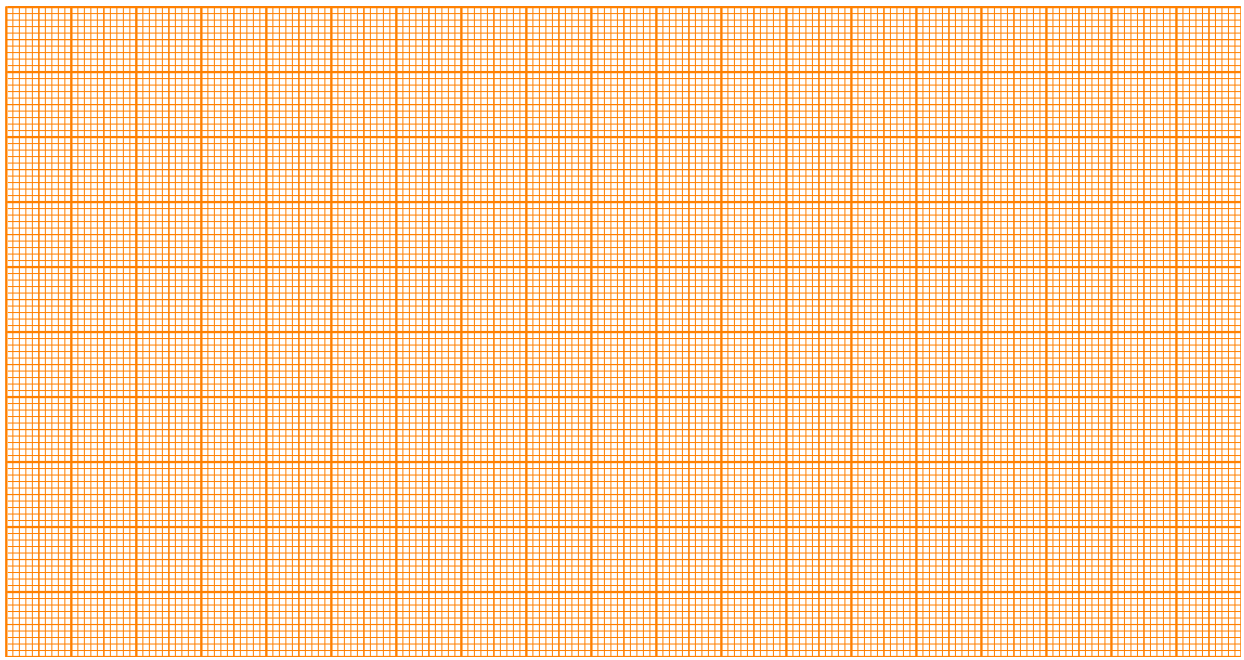
(0.1 pt) **A.5**

$$\frac{R - R_{\text{col}}}{R} = \quad = \quad \%$$

(0.1 pt) **A.6**

$\left| \frac{R - R_{\text{col}}}{R} \right|$ $\left| \frac{\Delta R_{\text{col}}}{R_{\text{col}}} \right|$

(0.6 pt) **B.1**



(0.1 pt) **B.2**

(0.4 pt) **B.3**

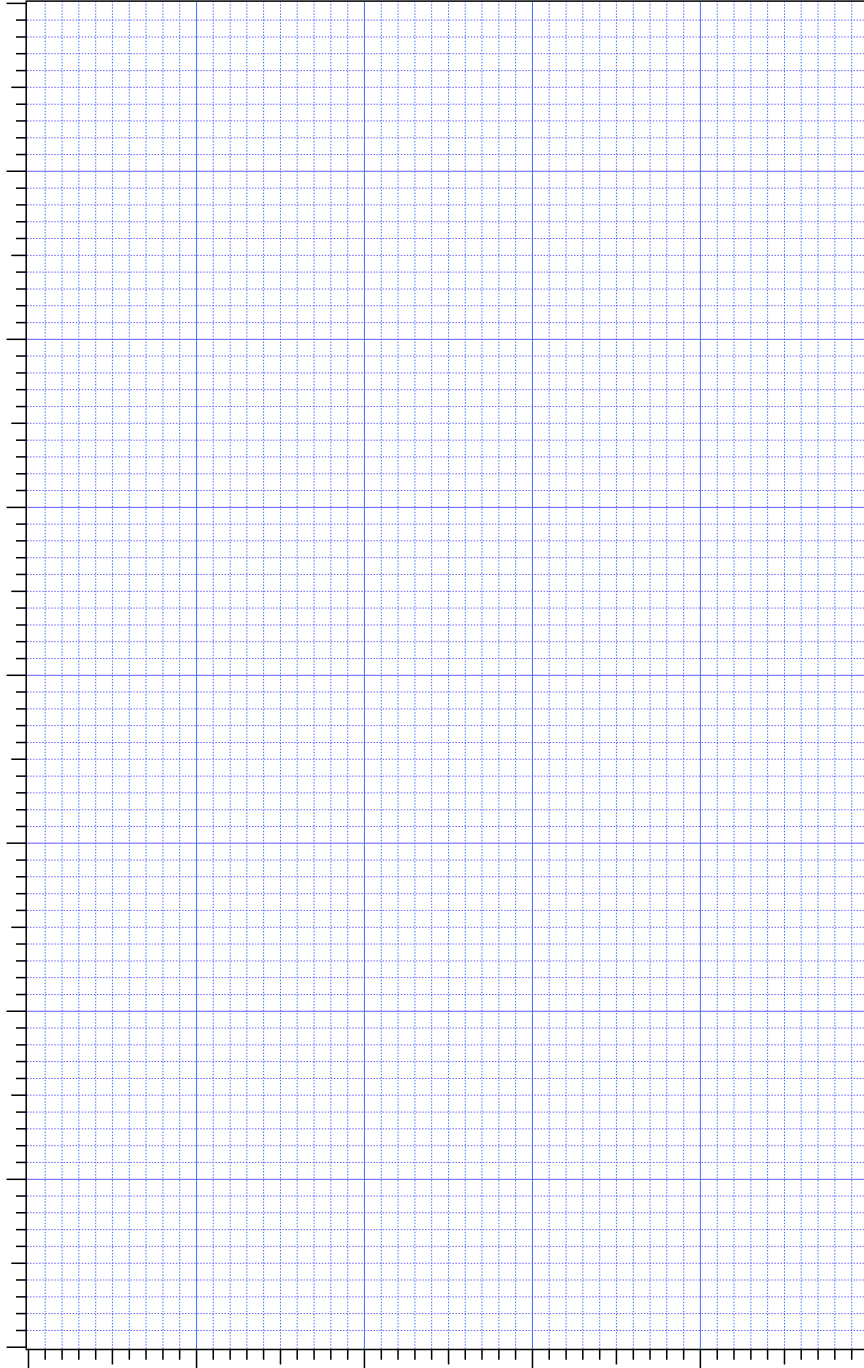
(0.1 pt) **C.1**

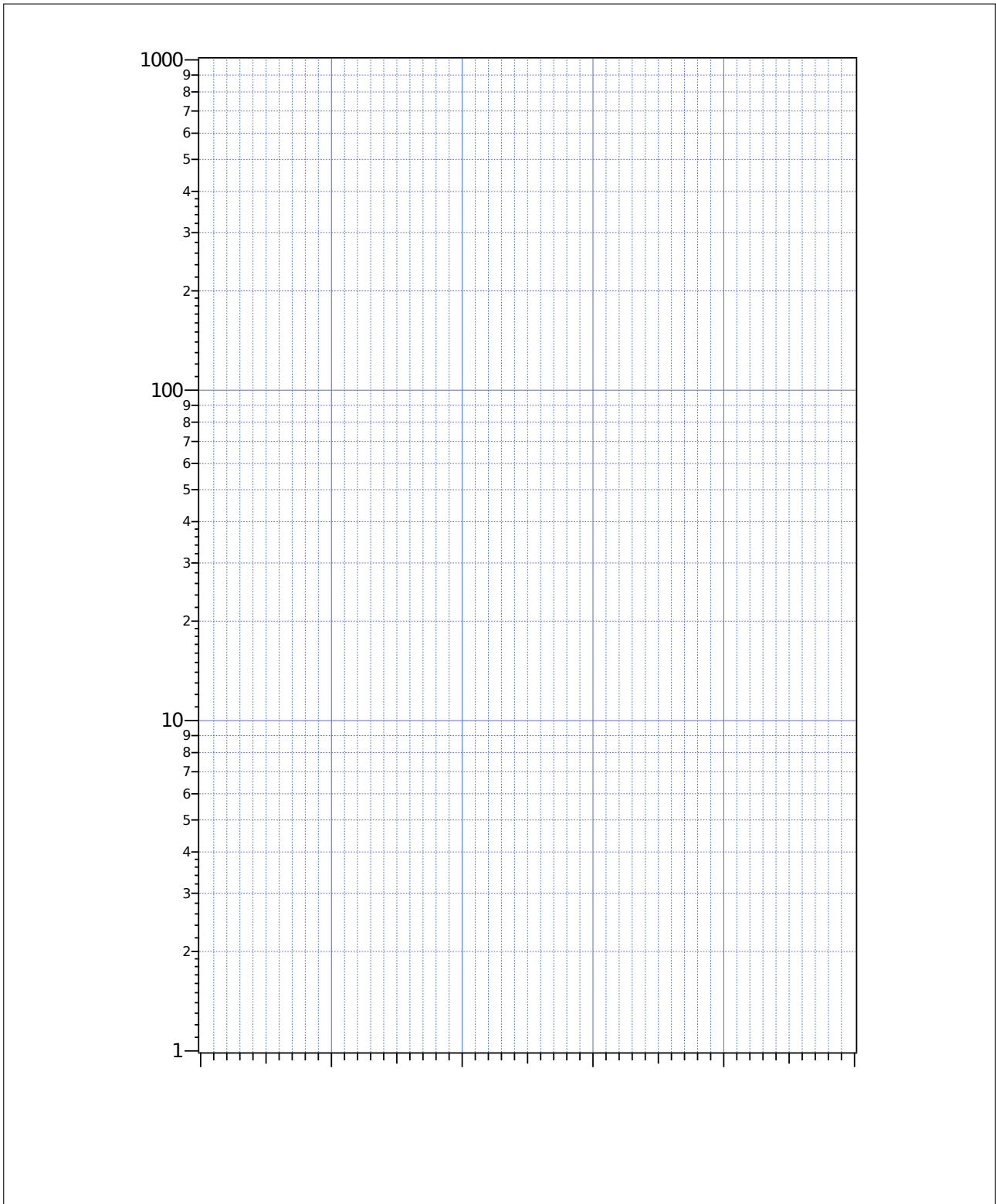
(3 pt) **D.1**

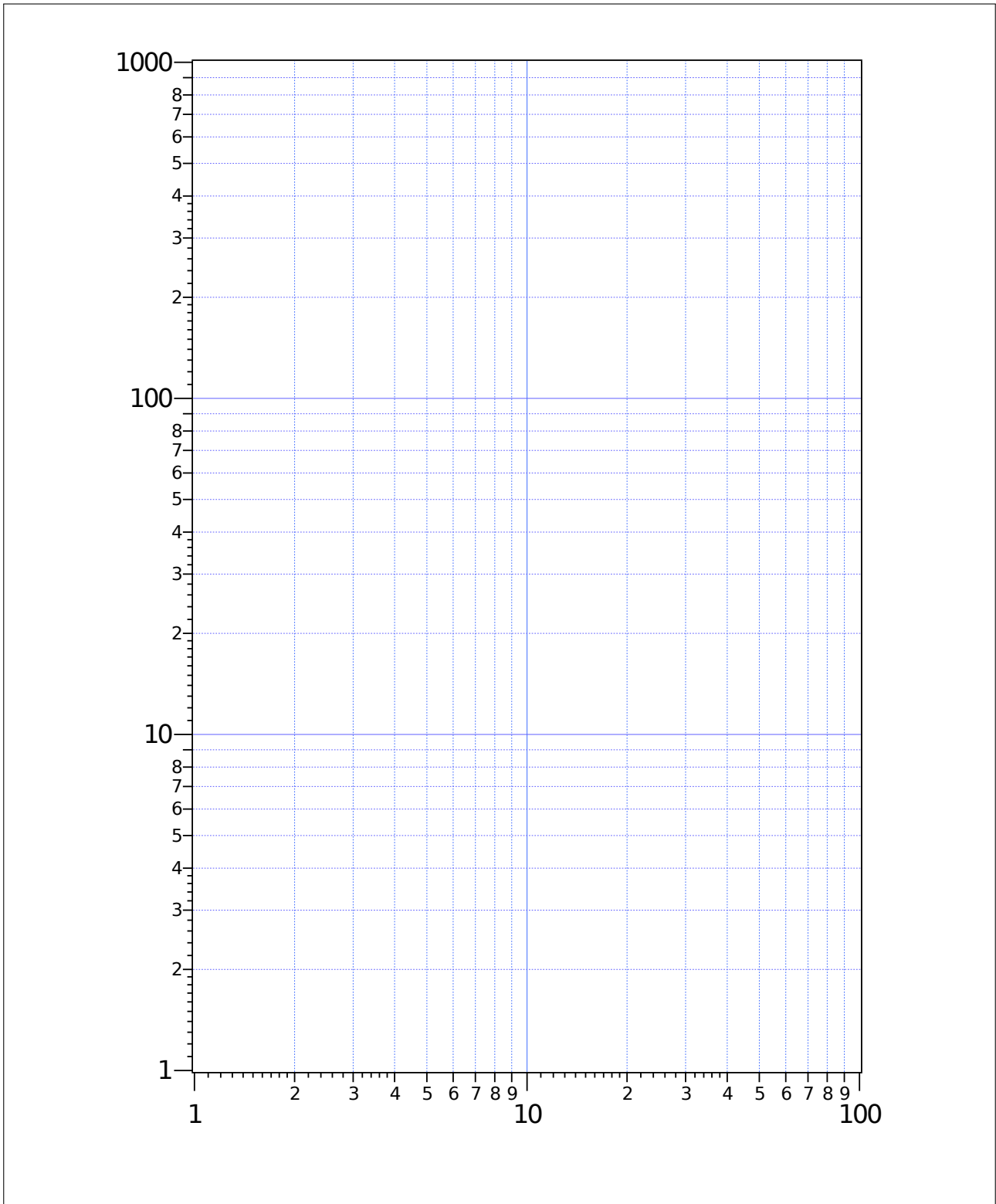
(0.2 pt) **D.2**

	(1.0 pt) E.1
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	(0.6 pt) E.2
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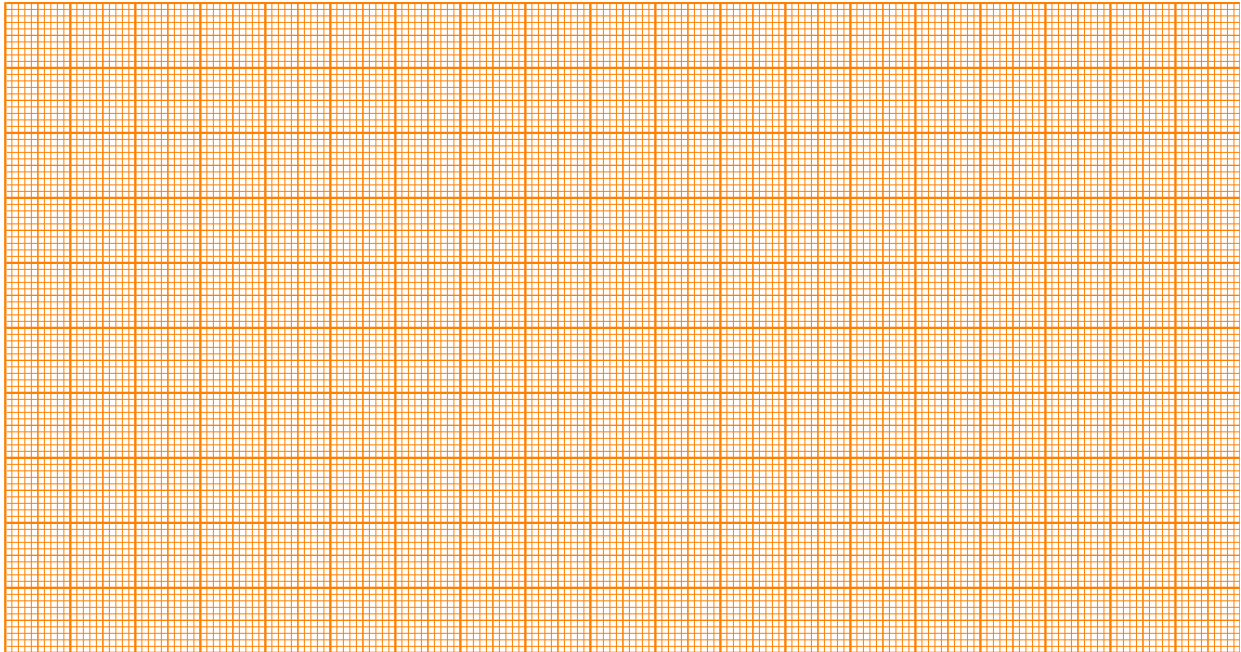




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(0.4 pt) **F.1**

(0.3 pt) **F.2**



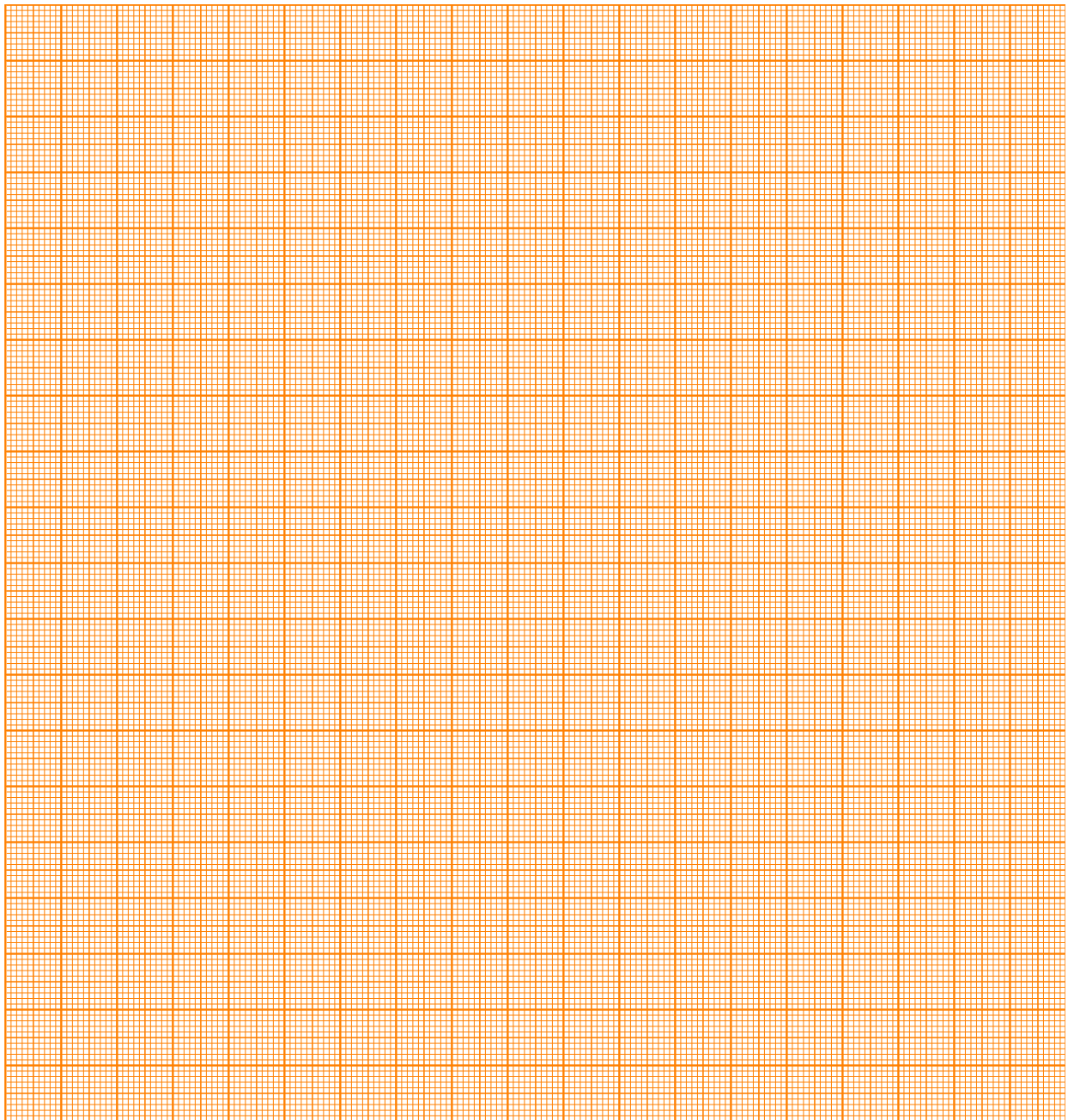
(0.2 pt) **F.3**

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(0.1 pt) **F.4**

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(0.3 pt) **F.7**



(0.3 pt) **F.8**

(0.1 pt) **F.9**

(0.1 pt) **F.10**