

Math class number 1

October 4, 2021

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$$y - y_1 = m(x - x_1)$$

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$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

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A.

$$y - 3 = 2(x - 1)$$

$$y - 3 = 2x - 2$$

$$y = 2x + 1$$

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B.

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

$$y = \frac{1}{3}x - 4$$

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C.

$$y = 9$$

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D.

$$m = \frac{-6 + 12}{6 - 5}$$

$$m = 6$$

$$y + 12 = 6(x - 5)$$

$$y + 12 = 6x - 30$$

$$y = 6x - 42$$

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E.

$$m_1 = m_2 = 2$$

$$y - 4 = 2(x + 6)$$

$$y - 4 = 2x + 12$$

$$y = 2x + 16$$

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F.

$$m_1 = m_2 = 0$$

$$y + 5 = 0(x + 3)$$

$$y = -5$$

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G.

$$m_2 = -1$$

$$m_1 = -1$$

$$y+3 = -1(x+7)$$

$$y + 3 = -x - 7$$

$$y = -x - 10$$

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J.

$$11x - 4 = 3x - 12$$

$$8x = -8$$

$$x = -1$$

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$$y + 15 = 7(x + 1)$$

$$y + 15 = 7x + 7$$

$$y = 7x - 8$$

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K.

$$I = 2x + 3$$

$$II = x + 3$$

$$III = x - 1$$

$$IV = \frac{1}{2}x$$

$$V = -x - 1$$

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L.