

Задача 3.19.

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$$y = \frac{47}{x+2},$$
$$v = 6 \text{ м/с}, x = 4 \text{ м}.$$

Задача 3.20.

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$$y = -2x^2 + 11x + 3,$$
$$v = 1 \text{ м/с}, x = 2 \text{ м}.$$

Задача 3.21.

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$$y = \frac{66}{\sin(x/4) + 3},$$
$$v = 3 \text{ м/с}, x = 6 \text{ м}.$$

Задача 3.22.

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$$y = \frac{18}{\sin(x/3) + 2},$$
$$v = 3 \text{ м/с}, x = 1 \text{ м}.$$

Задача 3.23.

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$$y = \frac{x(4 + \cos(x/3))}{5},$$
$$v = 9 \text{ м/с}, x = 1 \text{ м}.$$

Задача 3.24.

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$$y = -2x^2 + 19x + 3,$$
$$v = 1 \text{ м/с}, x = 4 \text{ м}.$$

Задача 3.25.

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$$y = x \sin \frac{x+1}{10},$$
$$v = 7 \text{ м/с}, x = 6 \text{ м}.$$

Задача 3.26.

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$$y = \frac{6x^3 + 3x^2 + 1}{180},$$
$$v = 6 \text{ м/с}, x = 3 \text{ м}.$$

Задача 3.27.

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$$y = \frac{x^2}{7} + 15 \sin \frac{x}{18},$$
$$v = 7 \text{ м/с}, x = 6 \text{ м}.$$

Задача 3.28.

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$$y = \frac{x}{7}(\ln(x+2) + 5),$$
$$v = 6 \text{ м/с}, x = 3 \text{ м}.$$

Задача 3.29.

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$$y = 3\sqrt{6x+4},$$
$$v = 4 \text{ м/с}, x = 1 \text{ м}.$$

Задача 3.30.

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$$y = \frac{1}{6} \left(e^{x/2} + 6e^{-x/2} \right),$$
$$v = 4 \text{ м/с}, x = 5 \text{ м}.$$

Задача 3.31.

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$$y = \frac{6x^3 + 3x^2 + 1}{312},$$
$$v = 7 \text{ м/с}, x = 4 \text{ м}.$$

Задача 3.32.

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$$y = 4x - 4 \arctan \frac{x}{5},$$
$$v = 2 \text{ м/с}, x = 3 \text{ м}.$$

Задача 3.33.

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$$y = -3 \cos^2 \frac{x}{3} + \frac{2}{x},$$
$$v = 3 \text{ м/с}, x = 6 \text{ м}.$$

