

1) $x \cdot y = 7(x+y)$

$x = -49$

$y = 6$

Ombem: 196

mm $x = 6$
 $y = -49$

$$\begin{array}{r} 14 \\ \times 14 \\ \hline 56 \\ 14 \\ \hline 196 \end{array}$$

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2) $\begin{cases} (x+2)^2 + \sqrt{x^2+4x+19} = 57 \\ y^2 = x-1 \end{cases}$ ODB
 $x \geq 1$

$x^2+4x+4 + \sqrt{x^2+4x+19} = 57$
Nyctm $x^2+4x+4 = t$

$t + \sqrt{t+15} = 57$

$\sqrt{t+15} = 57-t$

$t+15 = 3249 - 114t + t^2$

$D = 1322 - 4 \cdot 1 \cdot 3234 = 13225 - 12996 = 289 = 17^2$

$t+12 = \frac{115 \pm 17^2}{2} = 66; 49$

$x^2+48+4 = 49$

$x^2+48+45 = 0$

$D = 6+4 \cdot 1 \cdot 645 = 196 = 14^2$

$x_1, x_2 = \frac{-4 \pm 14^2}{2} = 5; -9$

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Ombem: $(x, y) = (5; 2)$
 $(x, y) = (5; -2)$

3) $A \cdot B + B = 30 + 40 = 70$

$7+3 = 10$?

$\frac{3}{10} = -0,3 \text{ (10)}$

$0,3 \cdot \frac{70}{10} = 21 \text{ (km/h)}$

Ombem: 21 km/h

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4) $x^2 + 2023x = y^2 + 2023y$

$(x+y) \cdot ?$

$x^2 - y^2 + 2023(x-y) = 0$

$(x-y)(x+y) + 2023(x-y) = 0$

$(x-y)(x+y) + 2023 = 0$

$(x+y) + 2023 = 0$

$(x+y) = -2023$

Ombem: -2023

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$$5) 80 \text{ см.} - 5 - 25 - 20 - 15 = \underline{15} \text{ см.}$$

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M39

Ответ: 15

нет ответа

$$6) \text{ Второй сорт: } 100 \text{ кг}$$

$$\text{ Высший сорт: } 40 \text{ кг}$$

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$$7) \sqrt{(2+3)^2 + (3+4)^2} + \sqrt{(3-3)^2 + (3-4)^2} > 2\sqrt{3^2 + 4^2}$$

$$\sqrt{5^2 + 4^2} + \sqrt{(-1) + (-1)} = 10$$

$$\sqrt{74} + \sqrt{1+1} = 10$$

$$10 = 10$$

Ответ: истина

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$$8) \cos^2(x \sin x) = 1 + |\log_5(x^2 - x + 1)|$$

$$\cos^2(x \sin x) = |x^2 \log_{10}(5) - \log_{10}(5)x + \log_{10}(5)| + 1$$

$$\cos^2(x \sin x) = - (x^2 \log_{10}(5) - \log_{10}(5)x + \log_{10}(5)) + 1$$

$$\cos^2(x \sin x) = x^2 \log_{10}(5) - \log_{10}(5)x + \log_{10}(5) + 1$$

$$\cos^2(x \sin x) = -x^2 \log_{10}(5) + \log_{10}\left(\frac{1}{5}\right) + 1$$

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9) Задача по площади $\sqrt{}$ половина $\sqrt{}$ треугольника.

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M 29

10) 1) $18:3 = 6 \text{ см}$

$$\frac{6^2 \sin 3}{4} = \frac{36 \sin 3}{4}$$

$$V = \frac{36 \sin 23}{4} \cdot 9 = \frac{324 \sin 23}{4}$$

2) $9:3 = 3 \text{ см}$

$$\frac{3^2 \sin 3}{4} = \frac{9 \sin 3}{4}$$

$$V = \frac{9 \sin 3}{4} \cdot 9 = \frac{81 \sin 3}{4}$$

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