

1) Баранов $(1\frac{7}{8} - 8\frac{1}{2}) \cdot 8 = (\frac{15}{8} - \frac{17}{2}) \cdot 8 = \frac{15-68}{8} \cdot 8 = -53$

2) $\frac{1,6 \cdot 10^3}{4 \cdot 10^{-1}} = \frac{1600 \cdot 10}{4} = 4000$

3) $\frac{200-100\%}{x-102\%} \quad x = \frac{200 \cdot 102}{100} = 204$

4) $A = \frac{U^2}{R}; A = \frac{6^2 \cdot 15}{9} = 60$

5) $\cos x = ? \quad 270^\circ < x < 360^\circ \quad \cos x = \sqrt{1 - \sin^2 x} = \sqrt{1 - (-0,6)^2} = 0,8$

6) $40 \cdot 7 = 490$
 $490 : 100 = 4,9 \Rightarrow 5$

7) $x^2 + 12 = 7x$
 $x^2 - 7x + 12 = 0$
 $\begin{cases} x=3 \\ x=4 \end{cases} \Rightarrow x=3$

8) 30

9)

A	B	C	D
3	4	2	1

10) $3+3+4=10 \quad \frac{3}{10} = 0,3$

11) 20

12) $280 \cdot 12 + 250 = 3610$
 $270 \cdot 12 + 350 = \boxed{3590}$
 $300 \cdot 12 = 3600$

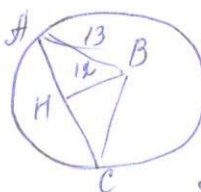
13) $V = \pi R^2 H \quad H = 40$
 $R \cdot 62 \text{ page} > \Rightarrow 864 \text{ page}$
 $H_1 = 40 : 4 = 10$

14)

A	B	C	D
4	3	1	2

15) $8\sqrt{5} = \frac{1}{2} 4 \cdot x$

$x = 4\sqrt{5}$
 $AB = \sqrt{(2\sqrt{5})^2 + 4^2} = \sqrt{36} = 6$

16)  $\sqrt{13^2 - 12^2} = 5 \text{ (AH)}$
 $AC = 5 \cdot 2 = 10$
 $S = 18 \cdot 10 = 180$

17)

A	B	C	D
4	1	2	3

18) 23

19) 44535

20) $\begin{cases} 3z = 4c + 1u \\ 7c = 4z + 1u \end{cases} \begin{matrix} 4 \\ 3 \end{matrix}$

$\begin{cases} 12z = 16c + 4u \\ 21c = 12z + 3u \end{cases}$
 $21c = 16c + 4u + 3u$

$5c = 7u \quad | \cdot 6$

$30c = 42u \Rightarrow 30c$