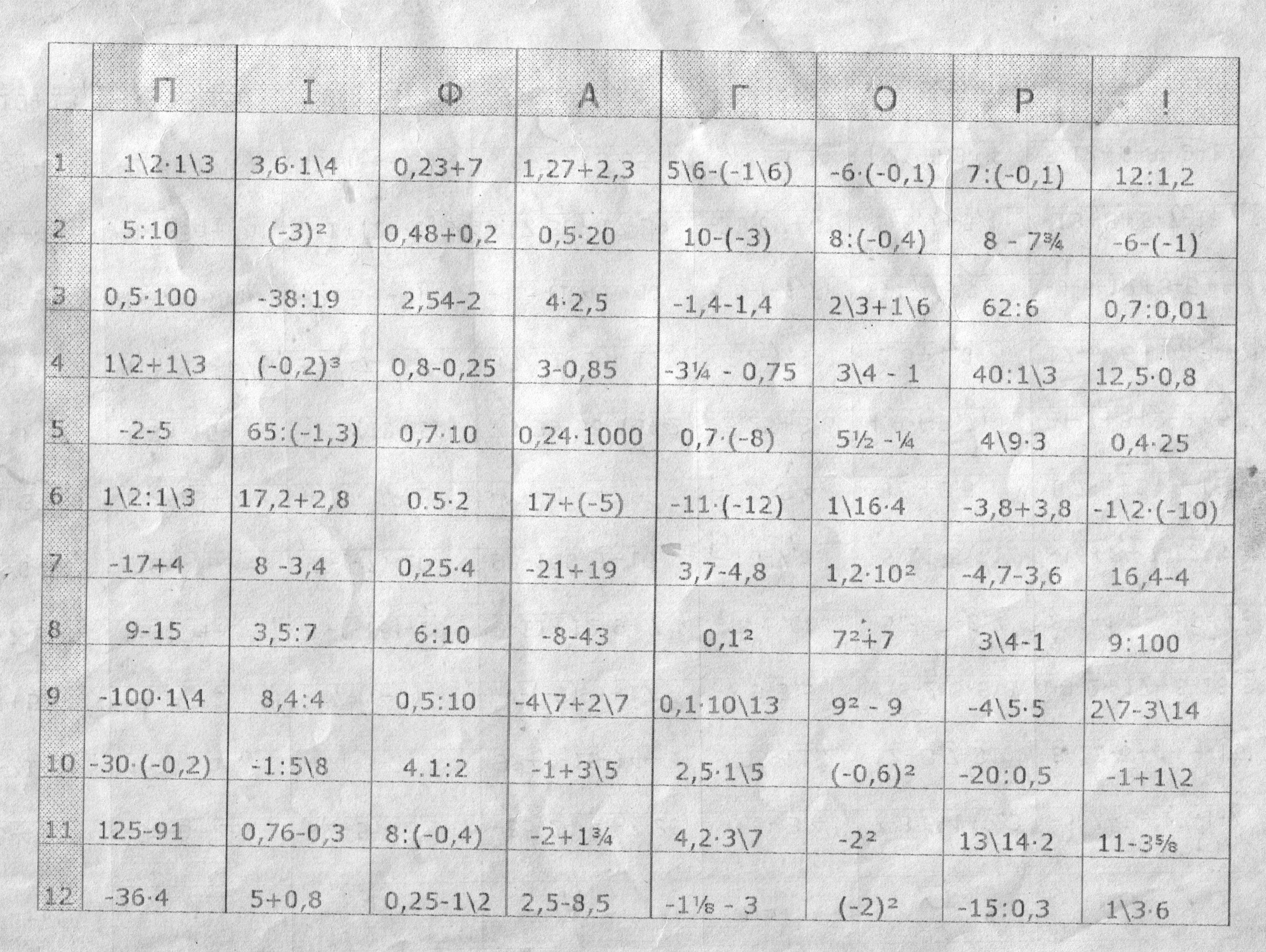
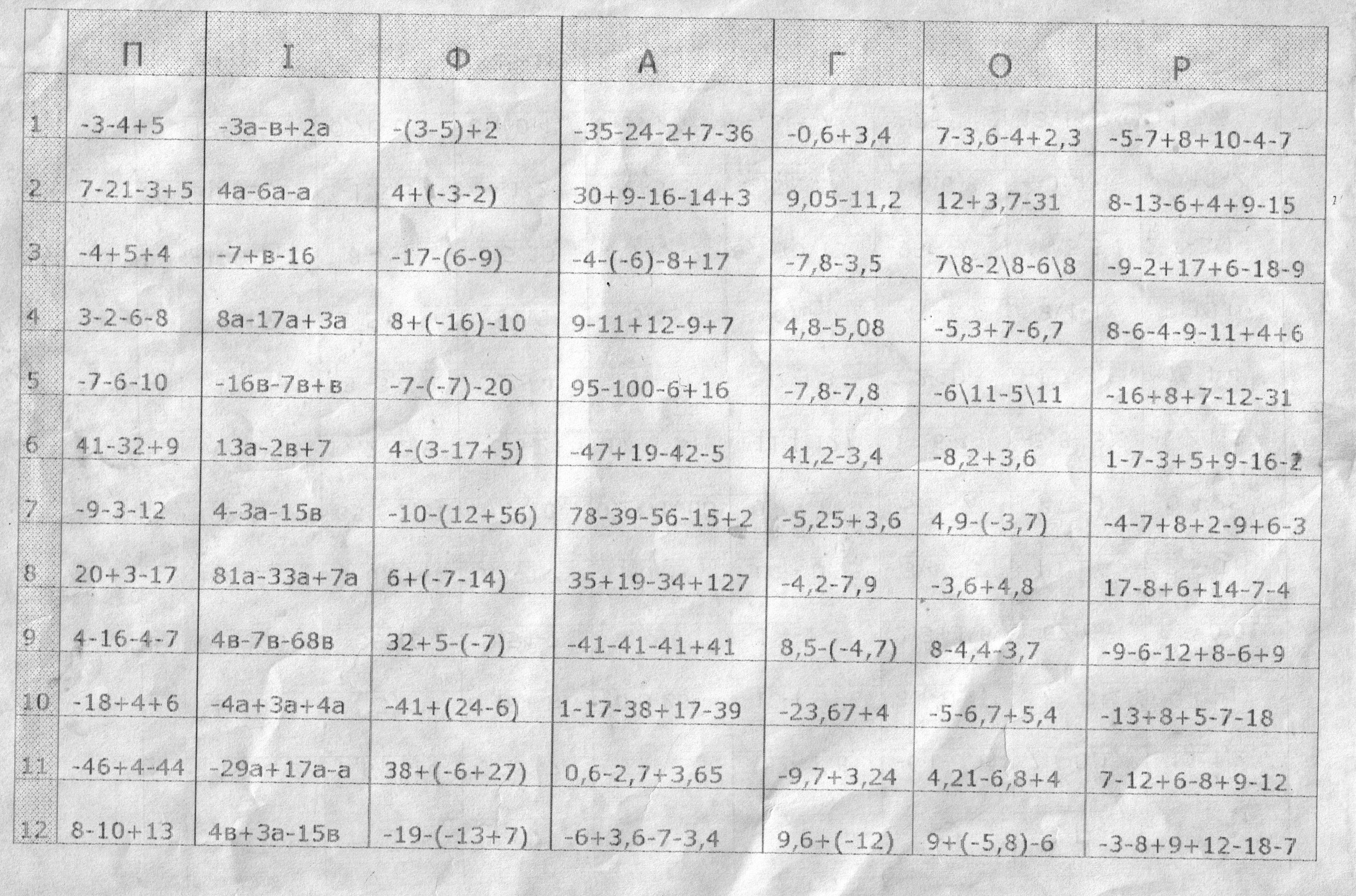
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| **І ст** | **П** | **І** | **Ф** | **А** | **Г** | **О** | **Р** |
| **1** | 128-49+36 | 3\*8+6\*2 | 72:8+32:4 | 98:2 | 198:6 | 2\*450-300 | 32\*8 |
| **2** | 564+58-27 | 4\*9-2\*8 | 160:8+16:3 | 84:7 | 312:4 | 400:8+126 | 48\*25 |
| **3** | 121-56-42 | 98-5\*3 | 260:13+26:13 | 85:5 | 192:6 | 60-150:3 | 36\*4 |
| **4** | 89+56-64 | 45+6\*8 | 1400:7+28:4 | 91:7 | 282:3 | 9\*20+4\*30 | 75\*7 |
| **5** | 56+25+36+25 | 38\*2+76 | 560:8+32:4 | 56:4 | 1648:8 | 7\*200-800:2 | 93\*9 |
| **6** | 23-7-6+45-8 | 9\*7+8\*6 | 390:3-21:3 | 96:8 | 378:3 | 505:5+99:11 | 4\*27 |
| **7** | 12+58+63-14 | 15\*3-7\*8 | 480:6+18:6 | 38:2 | 225:9 | (1500+700):20 | 15\*28 |
| **8** | 152-89-23 | 18\*2+13\*3 | 226:2-64:2 | 195:5 | 144:12 | (630-90):6 | 12\*8 |
| **9** | 29+29+36+45 | 25\*32-79 | 350:7+42:6 | 175:7 | 846:9 | 8\*(200-175) | 71\*3 |
| **10** | 51-24-13-14 | 990-36\*25 | 540:9-14:7 | 180:4 | 672:4 | 14\*2+14\*8 | 9\*69 |
| **11** | 101-56+25+1 | 8\*16+7\*6 | 450:3+15:5 | 180:5 | 846:9 | 5\*60+2\*28 | 15\*8 |
| **12** | 723-604+27 | 6\*13-51 | 624:2-48:6 | 462:22 | 896:8 | 2\*85+3\*51 | 39\*7 |

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| **ІІ ст** | **П** | **І** | **Ф** | **А** | **Г** | **О** | **Р** |
| **1** | 25+96 | 165+58 | 36+21+4 | 98-69 | 567-269 | 39-12-8 | 98-5+12 |
| **2** | 38+84 | 694+127 | 98+8+73 | 65-38 | 125-98 | 96-25-14 | 47+56-24 |
| **3** | 47+85 | 523+48 | 54+82+93 | 47-29 | 956-248 | 74-23-48 | 89-65+48 |
| **4** | 69+17 | 764+127 | 41+52+76 | 94-65 | 472-395 | 62-37-18 | 36+28-47 |
| **5** | 83+68 | 849+471 | 45+62+37 | 83-65 | 147-84 | 89-12-17 | 58-19+12 |
| **6** | 46+47 | 652+349 | 15+36+47 | 56-38 | 638-89 | 64-17-17 | 67+49-37 |
| **7** | 78+39 | 641+897 | 98+12+41 | 72-57 | 451-347 | 51-27-18 | 74-59+16 |
| **8** | 64+87 | 214+753 | 67+23+96 | 54-37 | 76-58 | 94-57-19 | 42-39+28 |
| **9** | 27+43 | 964+964 | 14+58+64 | 71-65 | 682-476 | 63-38-25 | 91+48-37 |
| **10** | 98+67 | 84+176 | 96+56+17 | 48-39 | 524-347 | 73-58-11 | 65-37+49 |
| **11** | 54+88 | 99+99+99 | 52+64+82 | 62-36 | 121-99 | 85-19-48 | 51-37+59 |
| **12** | 95+67 | 85+712 | 96+85+14 | 82-67 | 87-69 | 67-49-13 | 74-37+27 |





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| **І ст** | **П** | **І** | **Ф** | **А** | **Г** | **О** | **Р** |
| **1** | 2а-8а | -6х-5х+2х | 8а+19а-28а+3а | 2а-3в+5а-8в | 8(5х-2) | 6-8(6-х)-5х | 7(4а+6)-12а |
| **2** | 8а-2а | 8а-9а-14а | -4х+11х+35х-38х | -4в-5в+7а-8в | -6(а+7) | -5(6а+3х)+8х | 14х-9(2-6а) |
| **3** | -2а+8а | -7у+5у+21у | -2а-7а+4а-8а-21а | 7х+7в-15х+40в | 2(3х-6а) | -5-7(2а-8+с)+7с | -15а+4(3-2а) |
| **4** | -8а+2а | -с-с-с+3с | 16а-4а+7а-6а+4а | -16в-7а-2в-36а | 3(-2а+8) | 8(5в-5-9к)+40к | -3(9-5а+2х)-4 |
| **5** | -8а-2а | 9в-7в+41в | 34х-41х-5х+14х | 7х-5с-7х+5с | -3(8-2х) | -2+3(6а-9)-21а | 13-8(2х-7)+в |
| **6** | -2а-8а | -18х-4х+х | -5с+14с+12с-14с | -6х-14в+5х-х | 9(6а+3) | 14с-8(6а-с+7)-с | -2(2в+5х)+4в |
| **7** | 14х-х | 13у-17у-21у | 7в-5в-8в+14в-в | 7к-2а-6а-7к | -12(7в+3а) | 2в+5(9х-6)-(2+в) | -5-(2+3а)+3а |
| **8** | х-14х | -40х+24х-6х | -18к+41к-5к+18к | 32х-5а-4х-8а | 7(у-7а) | -6-6(3-6а+8с)-6 | 9х-2(2х-8+5к) |
| **9** | 5с-21с | 3к-17к+3к | с-2с+21с-4с+с | -8в-8в-8а+8в | -9(3к-6х) | 4(7а-9+х)-9(2+х) | 3в-7+6(4с-3)-с |
| **10** | 16у-19у | -8х+5х-8х | 5х-8х-6х+20х-х | -18а+4х-6а-21х | 35(2-а) | -5с-5с+7(с-8)+3с | 8х-9(х+5)-8х |
| **11** | -х-7х | 4с-5с+с | у-7у-14у+5у+6у | 12к+7а-21а-24к | -17(к+2у) | -(2х+7-а)+2(6-а) | -6а+4(2а-7)-6а |
| **12** | -9с+14с | 7в-8в-9в | 3х-х+7х-40х-3х | -7х-37в-12в+9х | 4(3а-25) | -9-5(3+а)-4а | 8в+5(-2х-7)-10х |

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| **І ст** | **П** | **І** | **Ф** | **А** | **Г** | **О** | **Р** |
| **1** | 3x(x2-2x+3) | (a-3)(b+4) | (x+6)(x-3) | (4m2-6)(4m-6) | 8x3xx5 | (a4)3: (a2)3 | (2x)3·3x |
| **2** | 2x(x2+8x-3) | (x-7)(y-4) | (a+5)(a-4) | (3a-b)(2a-7b) | 3a(-2ac) | 79 · (72)6:719 | (57)3: (54)5 |
| **3** | -4a(a2-3ab+7b) | (c+6)(c+7) | (2k+8)(k-7) | (2x2-x)(8x2-2x) | b· (-b) ·b20 | 8y2y3y | -4m3n55n2m4 |
| **4** | -3a(a2+2ab-5b) | (a+9)(9+a) | (9-a)(a-9) | (5a-4b)(2a2+b) | m12:m8 | 4b· (-6b) ·b4 | (-3m7n2)4 |
| **5** | 2x(x+4)-5(x2-3x) | (b-8)(3-b) | (11-2x)(12+x) | (2y3+7)(15-3y) | (-2a3b4)3 | 2a34:a2 3a | (x3)6 ·x4:x18 |
| **6** | 2a(a-7)+3a(a3-5) | (k+2)(k-5) | (4+y)(2y-8) | (4c+b4)(a+2c3) | (-5a4b2c3)2 | 10x(-4xb)2 | (-2)4+32 |
| **7** | 3x(x-8)-6(x2+2x) | (a+32)(a+4) | (2x-3)(2x+7) | (a2-6b)(a+2b) | 5a6(-3a2b)2 | 316: (35)3 | (-5)2+(-1)7 |
| **8** | 10x(x2-7y)-2x | (b-8)(6-b) | (7b+4)(7b-2) | (c4-7b)(b-3c2) | (13x5y6m7)2 | 68(65):625 | (-0,4)3-1 |
| **9** | 3a-2(4a+36) | (2a-4)(a+8) | (x-5a)(2-x) | (2x+3y5)(y7-6x) | 5b(-3ab)2 | a34: (a8)2 a15 | (-8)2-(-1)10 |
| **10** | 2m+10(m-6) | (y+6)(y2+4) | (6c+3)(8c-3) | (1+ab)(a2b-2) | x3 · (-3)2 ·x6 | (-a3)5 (-a5)7 | 0,58·28 |
| **11** | -2c(c3-6c2+2c) | (c-2a)(2a-c) | (15k-8)(3-7k) | (8y-c)(3y6+2c) | (a6)3· (a2)4 | (a6)2: (a2)5 | 25·55 |
| **12** | (5y-6x+4)2x | (b+5c)(3c-4b) | (y-8)(2y-1) | (a4-2)(a2-8) | a32:a9·a | 492:73 | 75·712:716 |

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| **ІІ ст** | **П** | **І** | **Ф** | **А** | **Г** | **О** | **Р** |
| **1** | 7x2-28 | x2-m2 | (m+4)(m-4) | (m+3)2 | (2a-3)2 | 49-14a+a2 | c3-m3 |
| **2** | 3a3-108a | a2-9 | (5+a)(a-5) | (x-1)2 | (4+3b)2 | x2-8x+16 | 8-x3 |
| **3** | 7-14m2 | 1-16a2 | (4a+1)(1-4a) | (2c-a)2 | (5m+3n)2 | x2+1-2x | a3+64 |
| **4** | 2a3+54b6 | d2-c4 | (8x-y2)(8x+y2) | (3+a)2 | (2p-k)2 | 25y2+70y+49 | 27a3-b3 |
| **5** | 3x4+3x2y2 | 81-c2 | (3x2+1)(1-3x2) | (4b-c)2 | (b2-3)2 | 81a2-18ab+b2 | x6-y9 |
| **6** | a7+a4 | 16x2-49y2 | (2a-7)(2a+7) | (4a+8)2 | (2a3+1)2 | 25b2+10b+1 | 8x3-y3 |
| **7** | 15ab2-5ab | 25-9a2 | (4a+y)(4a-y) | (10c+0,1y)2 | (m3+n2)2 | a2+4ab+4b2 | (2+c)3 |
| **8** | 3m2+6mn | 0,01n2-4m2 | (b-6c) (b+6c) | (x2-5)2 | (0,4a-b)2 | 1+6x+9x2 | (1-4b)3 |
| **9** | 11x2-x | 0,36-x4y4 | (a3-b4)(a3+b4) | (-3x+5)2 | a2+8a+16 | 64+16b+b2 | (b+2c)3 |
| **10** | 4x8+14x5 | -144+p2 | (12x+3y)(12x-3y) | (-a-5)2 | 9x2-6x+1 | b2-8b+16 | (3-x)(9+3x+x2) |
| **11** | 3x4+9x5-6x3 | x2-64b2 | (a-5)(a+6) | (7x-2y)2 | x2+10x+25 | y2-2y+1 | (x+2)(x2-2x+4) |
| **12** | 24x2y-36yx2 | a4b2-1 | (5-6c)(5-c) | (1+10n)2 | 49x2-42x+9 | b2+4a2-4ab | (x2+x+1)(x-1) |