

◆計算せよ。①～⑩

<p>① $-7+4$ $=-3$</p>	<p>② -8×6 $=-48$</p>	<p>③ $8-2\times(-3)$ $=8-(-6)$ $=8+6=14$</p>
<p>④ $-\frac{1}{4}-\frac{2}{3}$ $=-\frac{3}{12}-\frac{8}{12}=-\frac{11}{12}$</p>	<p>⑤ $(-\frac{9}{14})\times(-\frac{7}{6})$ $=\frac{9\times 7}{14\times 6}=\frac{3\times 1}{2\times 2}=\frac{3}{4}$</p>	<p>⑥ $-\frac{8}{15}\div\frac{4}{9}$ $=-\frac{8\times 9}{15\times 4}=-\frac{2\times 3}{5\times 1}=-\frac{6}{5}$</p>
<p>⑦ -0.6×0.7 $=-0.42$</p>	<p>⑧ $36xy^2\div 4xy\times 3y$ $=\frac{36xy^2\times 3y}{4xy}$ $=27y^2$</p>	<p>⑨ $10a^2b-ab\times 3a$ $=10a^2b-3a^2b$ $=7a^2b$</p>

⑩ $3(2x+y)+2(x-3y)$

$$=6x+3y+2x-6y$$

$$=6x+2x+3y-6y$$

$$=8x-3y$$

◆展開せよ。⑪～⑮

<p>⑪ $-4x(5x-3y)$ $=-20x^2+12xy$</p>	<p>⑫ $(35ab-14a)\div 7a$ $=5b-2$</p>
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<p>⑬ $(x-5)(x+2)$ $=x^2-3x-10$</p>	<p>⑭ $(x+4)(x-4)$ $=x^2-16$</p>	<p>⑮ $(x-3)^2$ $=x^2-6x+9$</p>
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◆因数分解せよ。⑯～⑳

<p>⑯ $ax+bx$ $=x(a+b)$</p>	<p>⑰ x^2+5x+6 $=(x+2)(x+3)$</p>	<p>⑱ x^2-25 $=(x+5)(x-5)$</p>
<p>⑲ x^2+x-12 $=(x+4)(x-3)$</p>	<p>⑳ $x^2+14x+49$ $=(x+7)^2$</p>	<p>< 年 月 日 ></p>

◆計算せよ。①～⑩

① $-7-4$ $= -11$	② -4×6 $= -24$	③ $12-8 \div (-4)$ $= 12 - (-2)$ $= 12 + 2 = 14$
④ $-\frac{3}{5} + \frac{2}{3}$ $= -\frac{9}{15} + \frac{10}{15} = \frac{1}{15}$	⑤ $(-\frac{9}{14}) \times \frac{7}{6}$ $= -\frac{9 \times 7}{14 \times 6} = -\frac{3 \times 1}{2 \times 2} = -\frac{3}{4}$	⑥ $(-\frac{8}{21}) \div (-\frac{4}{7})$ $= \frac{8 \times 7}{21 \times 4} = \frac{2 \times 1}{3 \times 1} = \frac{2}{3}$
⑦ $-4.8 \div 0.6$ $= -8$	⑧ $27xy^2 \div (-3xy) \times 8y$ $= -\frac{27xy^2 \times 8y}{3xy}$ $= -72y^2$	⑨ $15ab - 9a^2b \div 3a$ $= 15ab - 3ab$ $= 12ab$

⑩ $4(3x-2y) - 3(2x-y)$

$$= 12x - 8y - 6x + 3y$$

$$= 12x - 6x - 8y + 3y$$

$$= 6x - 5y$$

◆展開せよ。⑪～⑮

⑪ $3x(9x+5y)$ $= 27x^2 + 15xy$	⑫ $(42ab - 12a) \div (-6a)$ $= -7b + 2$
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⑬ $(x+4)(x+2)$ $= x^2 + 6x + 8$	⑭ $(x+5)(x-5)$ $= x^2 - 25$	⑮ $(x-7)^2$ $= x^2 - 14x + 49$
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◆因数分解せよ。⑯～⑳

⑯ $ax + ay$ $= a(x+y)$	⑰ $x^2 + 7x + 12$ $= (x+3)(x+4)$	⑱ $x^2 - 16$ $= (x+4)(x-4)$
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⑲ $x^2 - x - 30$ $= (x+5)(x-6)$	⑳ $x^2 - 12x + 36$ $= (x-6)^2$	< 年 月 日 >
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◆計算せよ。①～⑩

① $-11 + 4$ $= -7$	② -7×6 $= -42$	③ $7 - 3 \times (-2)$ $= 7 - (-6)$ $= 7 + 6 = 13$
④ $-\frac{2}{5} - \frac{1}{3}$ $= -\frac{6}{15} - \frac{5}{15} = -\frac{11}{15}$	⑤ $(-\frac{25}{8}) \times (-\frac{4}{15})$ $= \frac{25 \times 4}{8 \times 15} = \frac{5 \times 1}{2 \times 3} = \frac{5}{6}$	⑥ $-\frac{7}{12} \div \frac{14}{9}$ $= -\frac{7 \times 9}{12 \times 14} = -\frac{1 \times 3}{4 \times 2} = -\frac{3}{8}$
⑦ -0.4×0.8 $= -0.32$	⑧ $48xy^2 \div 8xy \times 3y$ $= \frac{48xy^2 \times 3y}{8xy}$ $= 18y^2$	⑨ $8a^2b - ab \times 2a$ $= 8a^2b - 2a^2b$ $= 6a^2b$

⑩ $5(2x + y) + 3(x - 2y)$

$$= 10x + 5y + 3x - 6y$$

$$= 10x + 3x + 5y - 6y$$

$$= 13x - y$$

◆展開せよ。⑪～⑮

⑪ $-7x(4x - 3y)$

$$= -28x^2 + 21xy$$

⑫ $(36ab - 12b) \div 4b$

$$= 9a - 3$$

⑬ $(x - 7)(x + 3)$

$$= x^2 - 4x - 21$$

⑭ $(x + 6)(x - 6)$

$$= x^2 - 36$$

⑮ $(x - 4)^2$

$$= x^2 - 8x + 16$$

◆因数分解せよ。⑯～⑳

⑯ $am - bm$

$$= m(a - b)$$

⑰ $x^2 - 8x + 15$

$$= (x - 5)(x - 3)$$

⑱ $x^2 - 81$

$$= (x + 9)(x - 9)$$

⑲ $x^2 - x - 6$

$$= (x + 2)(x - 3)$$

⑳ $x^2 + 6x + 9$

$$= (x + 3)^2$$

◆計算せよ。①～⑩

<p>① $-6-5$ $= -11$</p>	<p>② -4×9 $= -36$</p>	<p>③ $10-6 \div (-2)$ $= 10 - (-3)$ $= 10 + 3 = 13$</p>
<p>④ $-\frac{3}{4} + \frac{2}{3}$ $= -\frac{9}{12} + \frac{8}{12} = -\frac{1}{12}$</p>	<p>⑤ $(-\frac{15}{14}) \times \frac{7}{10}$ $= -\frac{15 \times 7}{14 \times 10} = -\frac{3 \times 1}{2 \times 2} = -\frac{3}{4}$</p>	<p>⑥ $(-\frac{8}{15}) \div (-\frac{4}{9})$ $= \frac{8 \times 9}{15 \times 4} = \frac{2 \times 3}{5 \times 1} = \frac{6}{5}$</p>
<p>⑦ $-4.2 \div 0.7$ $= -6$</p>	<p>⑧ $36xy^2 \div (-4xy) \times 6y$ $= -\frac{36xy^2 \times 6y}{4xy}$ $= -54y^2$</p>	<p>⑨ $12ab - 8a^2b \div 2a$ $= 12ab - 4ab$ $= 8ab$</p>

<p>⑩ $3(5x-2y) - 2(3x-2y)$ $= 15x - 6y - 6x + 4y$ $= 15x - 6x - 6y + 4y$ $= 9x - 2y$</p>	<p>◆展開せよ。⑪～⑮</p>	
	<p>⑪ $4x(7x-3y)$ $= 28x^2 - 12xy$</p>	<p>⑫ $(27ab + 6a) \div (-3a)$ $= -9b - 2$</p>
<p>⑬ $(x-4)(x-5)$ $= x^2 - 9x + 20$</p>	<p>⑭ $(x+3)(x-3)$ $= x^2 - 9$</p>	<p>⑮ $(x+9)^2$ $= x^2 + 18x + 81$</p>

<p>◆因数分解せよ。⑯～⑳</p>		
<p>⑯ $ax + cx$ $= x(a+c)$</p>	<p>⑰ $x^2 + 9x + 20$ $= (x+4)(x+5)$</p>	<p>⑱ $x^2 - 49$ $= (x+7)(x-7)$</p>
<p>⑲ $x^2 + 2x - 24$ $= (x+6)(x-4)$</p>	<p>⑳ $x^2 - 4x + 4$ $= (x-2)^2$</p>	<p>< 年 月 日 ></p>