Problem 1

	A	B
=		
1	a	8
2	b	27
3	c	-20
4	quadratic	8*x^2+2...
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=$b1 \cdot x^2 + b2 \cdot$

Question

What is the completely factored form of

$8 \cdot x^2 + 27 \cdot x - 20$?

Answer

Question

What is the completely factored form of

$8 \cdot x^2 + 27 \cdot x - 20$?

Answer

$8 \cdot x^2 + 27 \cdot x - 20 = (x+4) \cdot (8 \cdot x - 5)$

Problem 2

	A	B
=		
1	a	10
2	b	35
3	c	-20
4	quadratic	10*x^2+..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=b1·x^2+b2·

Question

What is the completely factored form of

$10 \cdot x^2 + 35 \cdot x - 20$?

Answer

Question

What is the completely factored form of

$10 \cdot x^2 + 35 \cdot x - 20$?

Answer

$10 \cdot x^2 + 35 \cdot x - 20 = 5 \cdot (x+4) \cdot (2 \cdot x - 1)$

Problem 3

	A	B
=		
1	a	2
2	b	5
3	c	-12
4	quadratic	2*x^2+5...
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=$b1\cdot x^2+b2\cdot$

Question

What is the completely factored form of

$2\cdot x^2+5\cdot x-12$?

Answer

Question

What is the completely factored form of

$2\cdot x^2+5\cdot x-12$?

Answer

$2\cdot x^2+5\cdot x-12=(x+4)\cdot(2\cdot x-3)$

Problem 4

	A	B
=		
1	a	3
2	b	9
3	c	-12
4	quadratic	3*x^2+9..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=b1·x^2+b2·

Question

What is the completely factored form of

$3 \cdot x^2 + 9 \cdot x - 12$?

Answer

Question

What is the completely factored form of

$3 \cdot x^2 + 9 \cdot x - 12$?

Answer

$3 \cdot x^2 + 9 \cdot x - 12 = 3 \cdot (x-1) \cdot (x+4)$

	A	B
=		
1	a	5
2	b	17
3	c	-12
4	quadratic	5*x^2+1..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=b1·x^2+b2·

Question

What is the completely factored form of $5 \cdot x^2+17 \cdot x-12$?

Answer

Question

What is the completely factored form of $5 \cdot x^2+17 \cdot x-12$?

Answer

$5 \cdot x^2+17 \cdot x-12 = (x+4) \cdot (5 \cdot x-3)$

Problem 6

	A	B
=		
1	a	6
2	b	21
3	c	-12
4	quadratic	6*x^2+2..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=$b1\cdot x^2+b2\cdot$

Question

What is the completely factored form of

$6\cdot x^2+21\cdot x-12$?

Answer

Question

What is the completely factored form of

$6\cdot x^2+21\cdot x-12$?

Answer

$6\cdot x^2+21\cdot x-12 = 3\cdot(x+4)\cdot(2\cdot x-1)$

Problem 7

	A	B
=		
1	a	4
2	b	13
3	c	-12
4	quadratic	4*x^2+1..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=$b1\cdot x^2+b2\cdot$

Question

What is the completely factored form of

$4\cdot x^2+13\cdot x-12$?

Answer

Question

What is the completely factored form of

$4\cdot x^2+13\cdot x-12$?

Answer

$4\cdot x^2+13\cdot x-12=(x+4)\cdot(4\cdot x-3)$

	A	B
=		
1	a	7
2	b	25
3	c	-12
4	quadratic	7*x^2+2..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=b1·x^2+b2·

Question

What is the completely factored form of

$7 \cdot x^2 + 25 \cdot x - 12$?

Answer

Question

What is the completely factored form of

$7 \cdot x^2 + 25 \cdot x - 12$?

Answer

$7 \cdot x^2 + 25 \cdot x - 12 = (x+4) \cdot (7 \cdot x - 3)$

	A	B
=		
1	a	2
2	b	10
3	c	8
4	quadratic	2*x^2+1..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=$b1\cdot x^2+b2\cdot$

Question

What is the completely factored form of

$2\cdot x^2+10\cdot x+8$?

Answer

Question

What is the completely factored form of

$2\cdot x^2+10\cdot x+8$?

Answer

$2\cdot x^2+10\cdot x+8 = 2\cdot (x+1)\cdot (x+4)$

	A	B
=		
1	a	3
2	b	14
3	c	8
4	quadratic	3*x^2+1...
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=b1·x^2+b2·

Question

What is the completely factored form of

$3 \cdot x^2+14 \cdot x+8$?

Answer

Question

What is the completely factored form of

$3 \cdot x^2+14 \cdot x+8$?

Answer

$3 \cdot x^2+14 \cdot x+8 = (x+4) \cdot (3 \cdot x+2)$

	A	B
=		
1	a	5
2	b	22
3	c	8
4	quadratic	5*x^2+2..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=$b1\cdot x^2+b2\cdot$

Question

What is the completely factored form of

$5\cdot x^2+22\cdot x+8$?

Answer

Question

What is the completely factored form of

$5\cdot x^2+22\cdot x+8$?

Answer

$5\cdot x^2+22\cdot x+8=(x+4)\cdot(5\cdot x+2)$

	A	B
=		
1	a	6
2	b	26
3	c	8
4	quadratic	6*x^2+2..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=$b1\cdot x^2+b2\cdot$

Question

What is the completely factored form of

$6\cdot x^2+26\cdot x+8$?

Answer

Question

What is the completely factored form of

$6\cdot x^2+26\cdot x+8$?

Answer

$6\cdot x^2+26\cdot x+8 = 2\cdot(x+4)\cdot(3\cdot x+1)$

Problem 13

	A	B
=		
1	a	4
2	b	18
3	c	8
4	quadratic	4*x^2+1..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=$b1 \cdot x^2 + b2 \cdot$

Question

What is the completely factored form of

$4 \cdot x^2 + 18 \cdot x + 8$?

Answer

Question

What is the completely factored form of

$4 \cdot x^2 + 18 \cdot x + 8$?

Answer

$4 \cdot x^2 + 18 \cdot x + 8 = 2 \cdot (x+4) \cdot (2 \cdot x+1)$

	A	B
=		
1	a	7
2	b	30
3	c	8
4	quadratic	7*x^2+3..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=$b1\cdot x^2+b2\cdot$

Question

What is the completely factored form of

$7\cdot x^2+30\cdot x+8$?

Answer

Question

What is the completely factored form of

$7\cdot x^2+30\cdot x+8$?

Answer

$7\cdot x^2+30\cdot x+8=(x+4)\cdot(7\cdot x+2)$

	A	B
=		
1	a	2
2	b	1
3	c	-28
4	quadratic	2*x^2+x..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=b1·x^2+b2·

Question

What is the completely factored form of $2 \cdot x^2+x-28$?

Answer

Question

What is the completely factored form of $2 \cdot x^2+x-28$?

Answer

$2 \cdot x^2+x-28 = (x+4) \cdot (2 \cdot x-7)$

	A	B
=		
1	a	3
2	b	5
3	c	-28
4	quadratic	3*x^2+5..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=b1·x^2+b2·

Question

What is the completely factored form of

$3 \cdot x^2 + 5 \cdot x - 28$?

Answer

Question

What is the completely factored form of

$3 \cdot x^2 + 5 \cdot x - 28$?

Answer

$3 \cdot x^2 + 5 \cdot x - 28 = (x+4) \cdot (3 \cdot x - 7)$

	A	B
=		
1	a	5
2	b	13
3	c	-28
4	quadratic	5*x^2+1..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=$b1\cdot x^2+b2\cdot$

Question

What is the completely factored form of

$5\cdot x^2+13\cdot x-28$?

Answer

Question

What is the completely factored form of

$5\cdot x^2+13\cdot x-28$?

Answer

$5\cdot x^2+13\cdot x-28=(x+4)\cdot(5\cdot x-7)$

	A	B
=		
1	a	6
2	b	17
3	c	-28
4	quadratic	6*x^2+1..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=$b1\cdot x^2+b2\cdot$

Question

What is the completely factored form of

$6\cdot x^2+17\cdot x-28$?

Answer

Question

What is the completely factored form of

$6\cdot x^2+17\cdot x-28$?

Answer

$6\cdot x^2+17\cdot x-28 = (x+4)\cdot(6\cdot x-7)$

	A	B
=		
1	a	4
2	b	9
3	c	-28
4	quadratic	4*x^2+9..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=$b1\cdot x^2+b2\cdot$

Question

What is the completely factored form of

$4\cdot x^2+9\cdot x-28$?

Answer

Question

What is the completely factored form of

$4\cdot x^2+9\cdot x-28$?

Answer

$4\cdot x^2+9\cdot x-28=(x+4)\cdot(4\cdot x-7)$

	A	B
=		
1	a	7
2	b	21
3	c	-28
4	quadratic	7*x^2+2..
5		
6		
7		
8		
9		
10		
11		

B4 quadratic:=b1·x^2+b2·

Question

What is the completely factored form of

$7 \cdot x^2 + 21 \cdot x - 28$?

Answer

Question

What is the completely factored form of

$7 \cdot x^2 + 21 \cdot x - 28$?

Answer

$7 \cdot x^2 + 21 \cdot x - 28 = 7 \cdot (x-1) \cdot (x+4)$