

Problem 1

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

Question

What is the completely factored form of $4 \cdot x^2 + x - 3$?

Answer

$4x^2 + x - 3 = (x + 1)(4x - 3)$

Question

What is the completely factored form of $4 \cdot x^2 + x - 3$?

Answer

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

Problem 2

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

Question

What is the completely factored form of $7x^2+4x-3$?

Answer

Question

What is the completely factored form of $7x^2+4x-3$?

Answer

$7x^2+4x-3 = (x+1) \cdot (7x-3)$

Problem 3

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

Question

What is the completely factored form of $2 \cdot x^2 + x - 6$?

Answer

$2x^2 + x - 6 = (x + 2)(2x - 3)$

Question

What is the completely factored form of $2 \cdot x^2 + x - 6$?

Answer

$2 \cdot x^2 + x - 6 = (x + 2) \cdot (2 \cdot x - 3)$

Problem 4

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

Question

What is the completely factored form of $3 \cdot x^2 + 3 \cdot x - 6$?

Answer

Question

What is the completely factored form of $3 \cdot x^2 + 3 \cdot x - 6$?

Answer

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

Problem 5

	A	B	Question
1	a	5	<p>What is the completely factored form of $5 \cdot x^2 + 7 \cdot x - 6$?</p>
2	b	7	
3	c	-6	
4	quadratic	$5 \cdot x^2 + 7 \cdot x - 6$	
5			
6			
7			
8			
9			
10			
11			
B4	quadratic: $= b1 \cdot x^2 + b2 \cdot x + b3$		Answer

Question
<p>What is the completely factored form of $5 \cdot x^2 + 7 \cdot x - 6$?</p>
Answer
$5 \cdot x^2 + 7 \cdot x - 6 = (x + 2) \cdot (5 \cdot x - 3)$

Problem 6

	A	B	
			Question
1	a		What is the completely factored form of $6 \cdot x^2 + 9 \cdot x - 6$?
2	b	9	
3	c	-6	
4	quadratic	$6 \cdot x^2 + 9 \dots$	
5			
6			
7			
8			
9			
10			
11			
B2	9		Answer

Question
What is the completely factored form of $6 \cdot x^2 + 9 \cdot x - 6$?
Answer
$6 \cdot x^2 + 9 \cdot x - 6 = 3 \cdot (x + 2) \cdot (2 \cdot x - 1)$

Problem 7

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

Question

What is the completely factored form of $4x^2+5x-6$?

Answer

Question

What is the completely factored form of $4x^2+5x-6$?

Answer

$4x^2+5x-6 = (x+2) \cdot (4x-3)$

Problem 8

A		B	Question
=			
1	a	7	What is the completely factored form of $7 \cdot x^2 + 11 \cdot x - 6$?
2	b	11	
3	c	-6	
4	quadratic	$7 \cdot x^2 + 11 \cdot x - 6$	
5			
6			
7			
8			
9			
10			
11			
B4	quadratic: $= b1 \cdot x^2 + b2 \cdot x + b3$		Answer

Question
What is the completely factored form of $7 \cdot x^2 + 11 \cdot x - 6$?
Answer
$7 \cdot x^2 + 11 \cdot x - 6 = (x + 2) \cdot (7 \cdot x - 3)$

Problem 9

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

Question

What is the completely factored form of $8x^2-11x+3$?

Answer

Question

What is the completely factored form of $8x^2-11x+3$?

Answer

$8x^2-11x+3 = (x-1) \cdot (8x-3)$

Problem 10

A		B	Question
=			
1	a	10	What is the completely factored form of $10 \cdot x^2 - 13 \cdot x + 3$?
2	b	-13	
3	c	3	
4	quadratic	$10 \cdot x^2 - \dots$	
5			
6			
7			
8			
9			
10			
11			
B4	quadratic: $= b1 \cdot x^2 + b2 \cdot x + b3$		Answer

Question
What is the completely factored form of $10 \cdot x^2 - 13 \cdot x + 3$?
Answer
$10 \cdot x^2 - 13 \cdot x + 3 = (x - 1) \cdot (10 \cdot x - 3)$

Problem 11

A		B	
=			
1	a		2
2	b		-1
3	c		-10
4	quadratic	$2 \cdot x^2 - x \dots$	
5			
6			
7			
8			
9			
10			
11			

Question

What is the completely factored form of $2 \cdot x^2 - x - 10$?

Answer

$quadratic := b1 \cdot x^2 + b2 \cdot x + b3$

Question

What is the completely factored form of $2 \cdot x^2 - x - 10$?

Answer

$2 \cdot x^2 - x - 10 = (x + 2) \cdot (2 \cdot x - 5)$

Problem 12

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

Question

What is the completely factored form of $3 \cdot x^2 + x - 10$?

Answer

Question

What is the completely factored form of $3 \cdot x^2 + x - 10$?

Answer

$3 \cdot x^2 + x - 10 = (x + 2) \cdot (3 \cdot x - 5)$

Problem 13

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

Question

What is the completely factored form of $5 \cdot x^2 + 5 \cdot x - 10$?

Answer

Question

What is the completely factored form of $5 \cdot x^2 + 5 \cdot x - 10$?

Answer

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

Problem 14

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

Question

What is the completely factored form of $6x^2+7x-10$?

Answer

Question

What is the completely factored form of $6x^2+7x-10$?

Answer

$6x^2+7x-10 = (x+2) \cdot (6x-5)$

Problem 15

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

Question

What is the completely factored form of $4x^2+3x-10$?

Answer

Question

What is the completely factored form of $4x^2+3x-10$?

Answer

$4x^2+3x-10 = (x+2) \cdot (4x-5)$

Problem 16

	A	B	Question
1	a	7	What is the completely factored form of $7 \cdot x^2 + 9 \cdot x - 10$?
2	b	9	
3	c	-10	
4	quadratic	$7 \cdot x^2 + 9 \cdot x - 10$	
5			
6			
7			
8			
9			
10			
11			
B4	quadratic: $= b1 \cdot x^2 + b2 \cdot x + b3$		Answer

Question
What is the completely factored form of $7 \cdot x^2 + 9 \cdot x - 10$?
Answer
$7 \cdot x^2 + 9 \cdot x - 10 = (x + 2) \cdot (7 \cdot x - 5)$

Problem 17

	A	B
	=	
1	a	2
2	b	-9
3	c	10
4	quadratic	$2 \cdot x^2 - 9 \dots$
5		
6		
7		
8		
9		
10		
11		

Question

What is the completely factored form of $2 \cdot x^2 - 9 \cdot x + 10$?

Answer

Question

What is the completely factored form of $2 \cdot x^2 - 9 \cdot x + 10$?

Answer

$2 \cdot x^2 - 9 \cdot x + 10 = (x - 2) \cdot (2 \cdot x - 5)$

Problem 18

	A	B	Question
1	a	3	What is the completely factored form of $3 \cdot x^2 - 11 \cdot x + 10$?
2	b	-11	
3	c	10	
4	quadratic	$3 \cdot x^2 - 11 \cdot x + 10$	
5			
6			
7			
8			
9			
10			
11			
B4	quadratic: $= b1 \cdot x^2 + b2 \cdot x + b3$		Answer

Question
What is the completely factored form of $3 \cdot x^2 - 11 \cdot x + 10$?
Answer
$3 \cdot x^2 - 11 \cdot x + 10 = (x - 2) \cdot (3 \cdot x - 5)$

Problem 19

	A	B
1	a	5
2	b	-15
3	c	10
4	quadratic	$5x^2 - 15x + 10$
5		
6		
7		
8		
9		
10		
11		

Question

What is the completely factored form of $5 \cdot x^2 - 15 \cdot x + 10$?

Answer

Question

What is the completely factored form of $5 \cdot x^2 - 15 \cdot x + 10$?

Answer

$5 \cdot x^2 - 15 \cdot x + 10 = 5 \cdot (x - 2) \cdot (x - 1)$

Problem 20

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

Question

What is the completely factored form of $6x^2 - 17x + 10$?

Answer

Question

What is the completely factored form of $6x^2 - 17x + 10$?

Answer

$6x^2 - 17x + 10 = (x - 2) \cdot (6x - 5)$

Problem 21

	A	B	Question
1	a	4	What is the completely factored form of $4 \cdot x^2 - 13 \cdot x + 10$?
2	b	-13	
3	c	10	
4	quadratic	$4 \cdot x^2 - 13 \cdot x + 10$	
5			
6			
7			
8			
9			
10			
11			
B4	quadratic: $= b1 \cdot x^2 + b2 \cdot x + b3$		Answer

Question
What is the completely factored form of $4 \cdot x^2 - 13 \cdot x + 10$?
Answer
$4 \cdot x^2 - 13 \cdot x + 10 = (x - 2) \cdot (4 \cdot x - 5)$

Problem 22

A		B	Question
=			
1	a	7	What is the completely factored form of $7 \cdot x^2 - 19 \cdot x + 10$?
2	b	-19	
3	c	10	
4	quadratic	$7 \cdot x^2 - 19 \cdot x + 10$	
5			
6			
7			
8			
9			
10			
11			
B4	quadratic: $= b1 \cdot x^2 + b2 \cdot x + b3$		Answer

Question
What is the completely factored form of $7 \cdot x^2 - 19 \cdot x + 10$?
Answer
$7 \cdot x^2 - 19 \cdot x + 10 = (x - 2) \cdot (7 \cdot x - 5)$

Problem 23

	A	B
1	a	6
2	b	1
3	c	-15
4	quadratic	$6x^2+x-$
5		
6		
7		
8		
9		
10		
11		

Question

What is the completely factored form of $6 \cdot x^2 + x - 15$?

Answer

Question

What is the completely factored form of $6 \cdot x^2 + x - 15$?

Answer

$6 \cdot x^2 + x - 15 = (2 \cdot x - 3) \cdot (3 \cdot x + 5)$

Problem 24

	A	B
	=	
1	a	3
2	b	4
3	c	-15
4	quadratic	$3 \cdot x^2 + 4 \cdot x - 15$
5		
6		
7		
8		
9		
10		
11		

Question

What is the completely factored form of $3 \cdot x^2 + 4 \cdot x - 15$?

Answer

Question

What is the completely factored form of $3 \cdot x^2 + 4 \cdot x - 15$?

Answer

$3 \cdot x^2 + 4 \cdot x - 15 = (x + 3) \cdot (3 \cdot x - 5)$

Problem 25

	A	B
1	a	5
2	b	10
3	c	-15
4	quadratic	$5x^2+10x-15$
5		
6		
7		
8		
9		
10		
11		

Question

What is the completely factored form of $5 \cdot x^2 + 10 \cdot x - 15$?

Answer

Question

What is the completely factored form of $5 \cdot x^2 + 10 \cdot x - 15$?

Answer

$5 \cdot x^2 + 10 \cdot x - 15 = 5 \cdot (x - 1) \cdot (x + 3)$

Problem 26

	A	B	Question
1	a	6	What is the completely factored form of $6 \cdot x^2 + 13 \cdot x - 15$?
2	b	13	
3	c	-15	
4	quadratic	$6 \cdot x^2 + 13 \cdot x - 15$	
5			
6			
7			
8			
9			
10			
11			
B4	quadratic: $= b1 \cdot x^2 + b2 \cdot x + b3$		Answer

Question
What is the completely factored form of $6 \cdot x^2 + 13 \cdot x - 15$?
Answer
$6 \cdot x^2 + 13 \cdot x - 15 = (x + 3) \cdot (6 \cdot x - 5)$

Problem 27

	A	B
	=	
1	a	4
2	b	7
3	c	-15
4	quadratic	$4x^2+7x-15$
5		
6		
7		
8		
9		
10		
11		

Question

What is the completely factored form of $4x^2+7x-15$?

Answer

Question

What is the completely factored form of $4x^2+7x-15$?

Answer

$4x^2+7x-15 = (x+3) \cdot (4x-5)$

Problem 28

	A	B	Question
1	a	7	What is the completely factored form of $7 \cdot x^2 + 16 \cdot x - 15$?
2	b	16	
3	c	-15	
4	quadratic	$7 \cdot x^2 + 16 \cdot x - 15$	
5			
6			
7			
8			
9			
10			
11			
B4	quadratic: $= b1 \cdot x^2 + b2 \cdot x + b3$		Answer

Question
What is the completely factored form of $7 \cdot x^2 + 16 \cdot x - 15$?
Answer
$7 \cdot x^2 + 16 \cdot x - 15 = (x + 3) \cdot (7 \cdot x - 5)$

Problem 29

	A	B	Question
1	a	4	What is the completely factored form of $4 \cdot x^2 + 11 \cdot x - 20$?
2	b	11	
3	c	-20	
4	quadratic	$4 \cdot x^2 + 11 \cdot x - 20$	
5			
6			
7			
8			
9			
10			
11			
B4	quadratic: $= b1 \cdot x^2 + b2 \cdot x + b3$		Answer

Question
What is the completely factored form of $4 \cdot x^2 + 11 \cdot x - 20$?
Answer
$4 \cdot x^2 + 11 \cdot x - 20 = (x + 4) \cdot (4 \cdot x - 5)$

Problem 30

	A	B	Question
1	a	7	What is the completely factored form of $7 \cdot x^2 + 23 \cdot x - 20$?
2	b	23	
3	c	-20	
4	quadratic	$7 \cdot x^2 + 23 \cdot x - 20$	
5			
6			
7			
8			
9			
10			
11			
B4	quadratic: $= b1 \cdot x^2 + b2 \cdot x + b3$		Answer

Question
What is the completely factored form of $7 \cdot x^2 + 23 \cdot x - 20$?
Answer
$7 \cdot x^2 + 23 \cdot x - 20 = (x + 4) \cdot (7 \cdot x - 5)$