

 \dots for all a, b, c, x and n

name

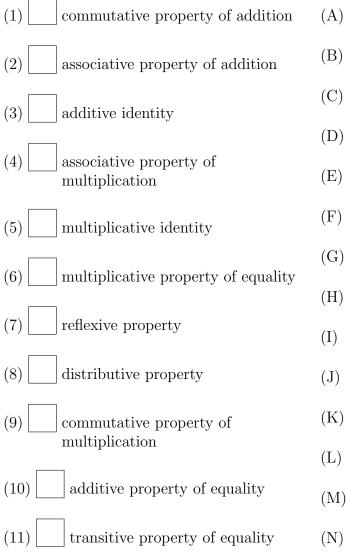
Batch 4fb17000

Algebraic Properties

Version 3

period

Match the name to the definition.



A)
$$a = a$$

B) $x + 0 = x$

date

(C)
$$ab = ba$$

- (D) a(b+c) = ab + ac
- (E) (-a)b = a(-b) = -ab
- (F) 1x = x
- $(G) \quad (ab)c = a(bc)$
- $(\mathbf{H}) \quad a+b=b+a$
- (I) if a = b then ax = bx

$$(J) \quad (ab)^n = a^n b^n$$

- (K) if a = b then a + x = b + x
- $(L) \quad (-a)(-b) = ab$
- (M) if a = b and b = c then a = c

(N)
$$(a+b) + c = a + (b+c)$$

 \dots for all a, b, c, x and n

Batch 4fb17000

Algebraic Properties

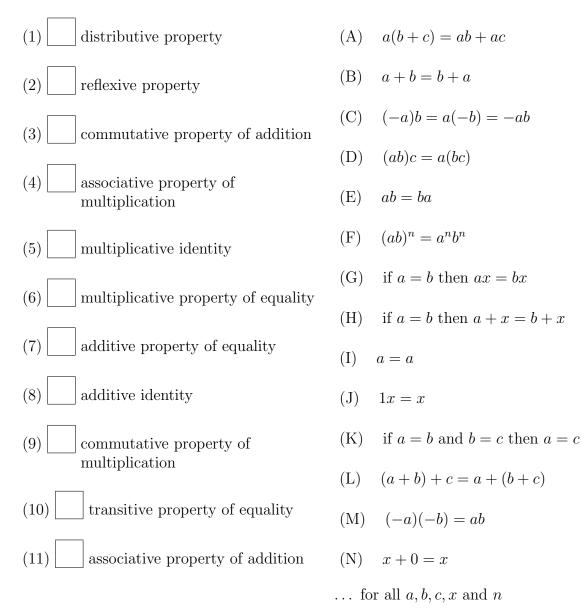
date

Version 4

period

Match the name to the definition.

name



name

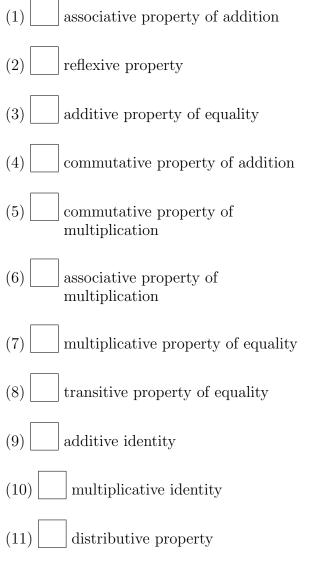
Batch 4fb17000

Algebraic Properties

Version 5

period

Match the name to the definition.



(A) ab = ba

date

$$(B) \quad x + 0 = x$$

(C)
$$a = a$$

- (D) 1x = x
- (E) (a+b) + c = a + (b+c)
- $(F) \quad (-a)(-b) = ab$
- (G) a(b+c) = ab + ac
- (H) if a = b and b = c then a = c

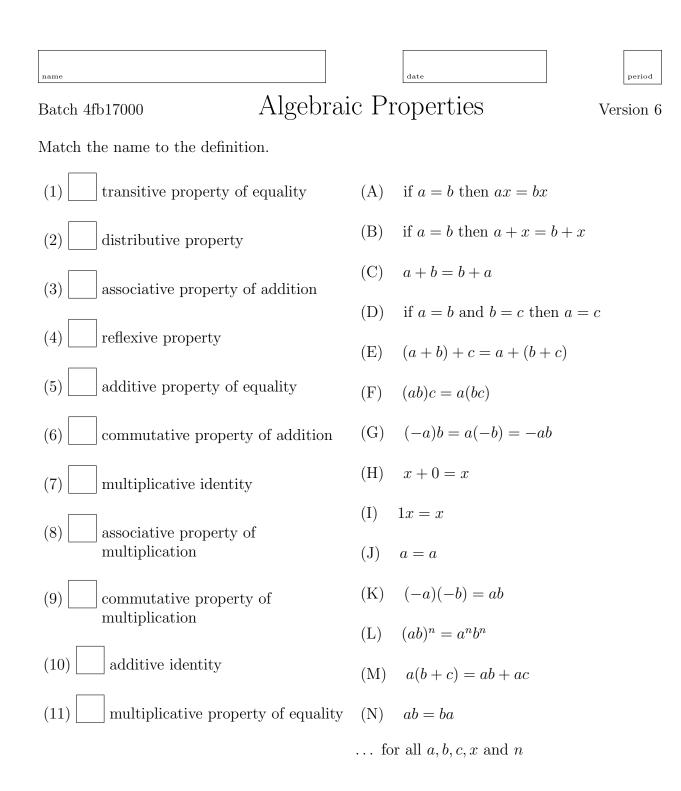
(I)
$$(ab)^n = a^n b^n$$

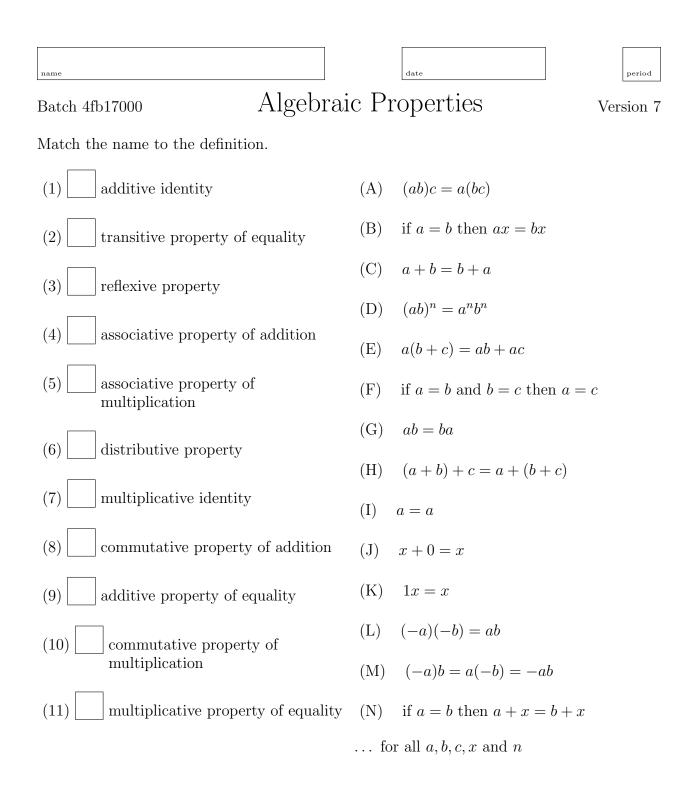
$$(\mathbf{J}) \quad a+b=b+a$$

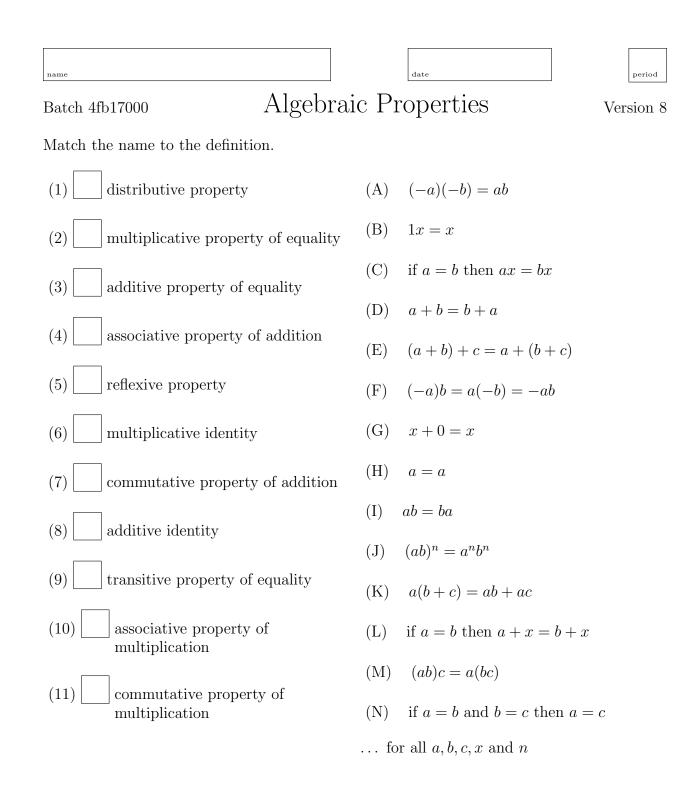
- (K) if a = b then a + x = b + x
- (L) if a = b then ax = bx

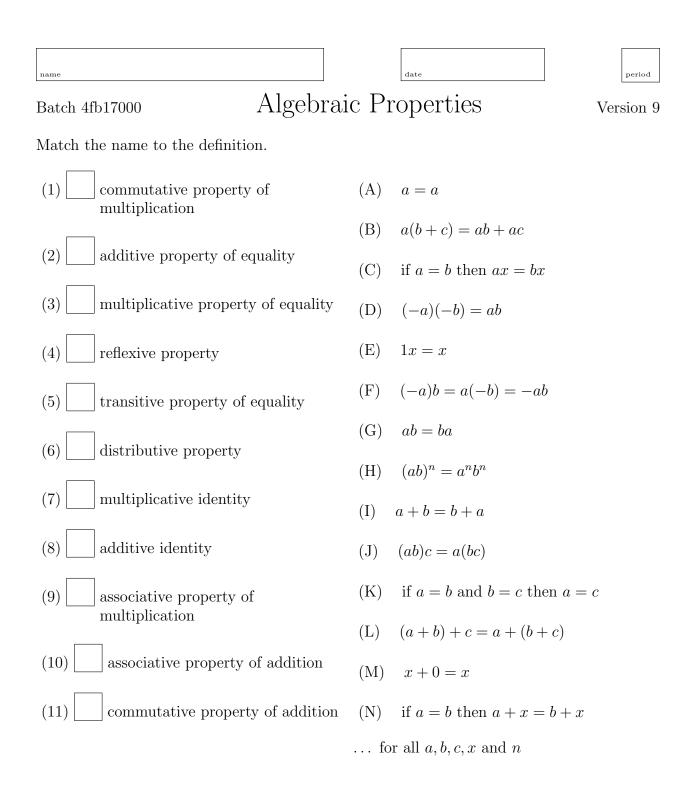
$$(\mathbf{M}) \quad (ab)c = a(bc)$$

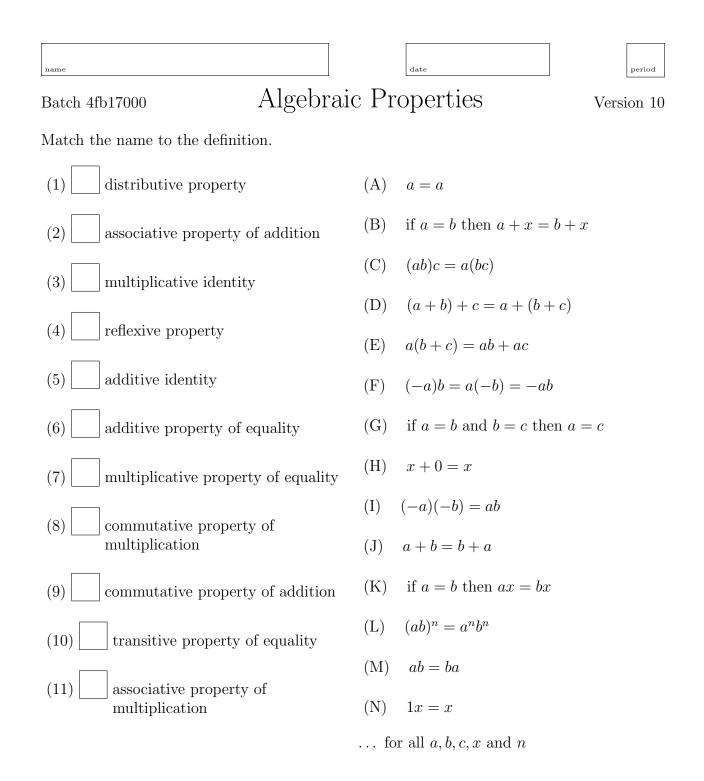
- (N) (-a)b = a(-b) = -ab
- \dots for all a, b, c, x and n

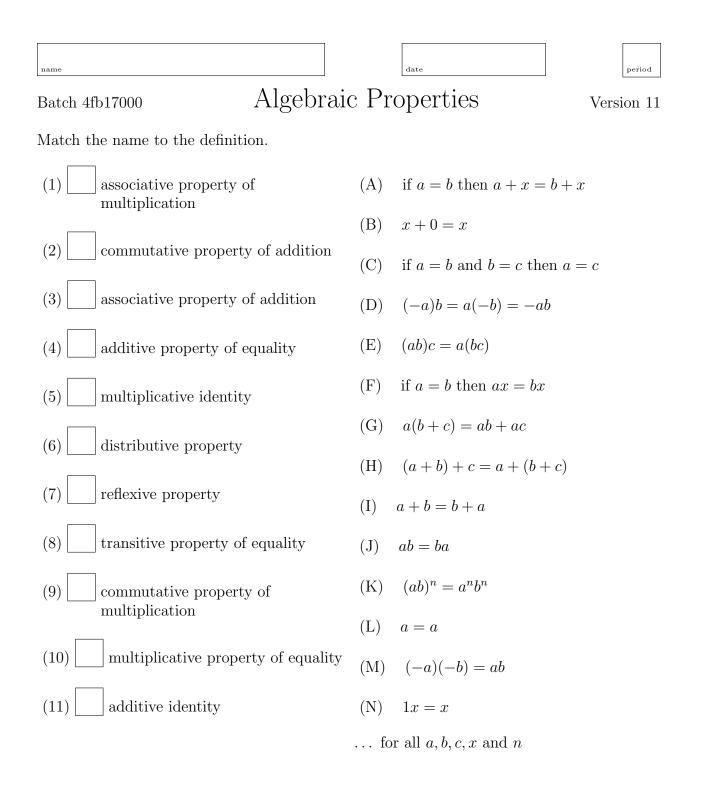


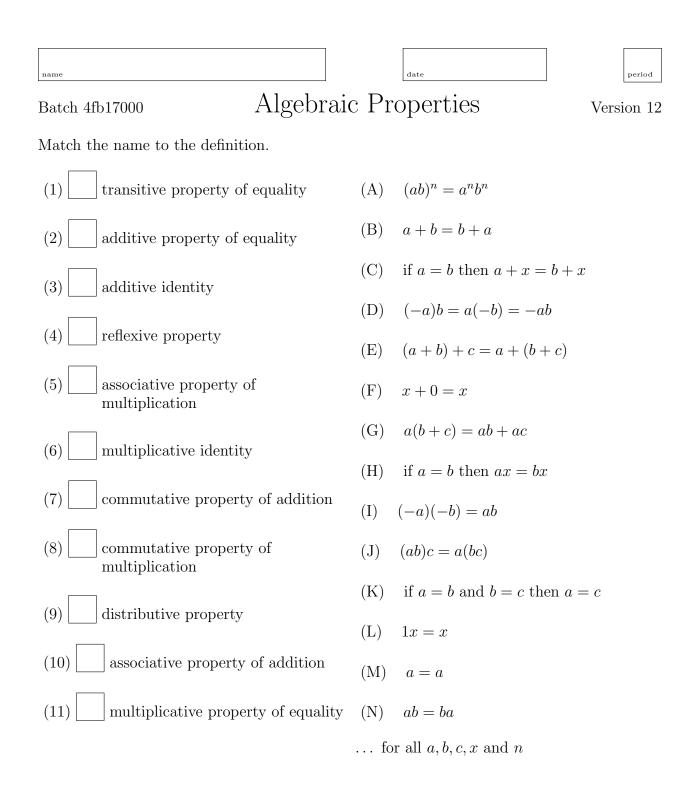


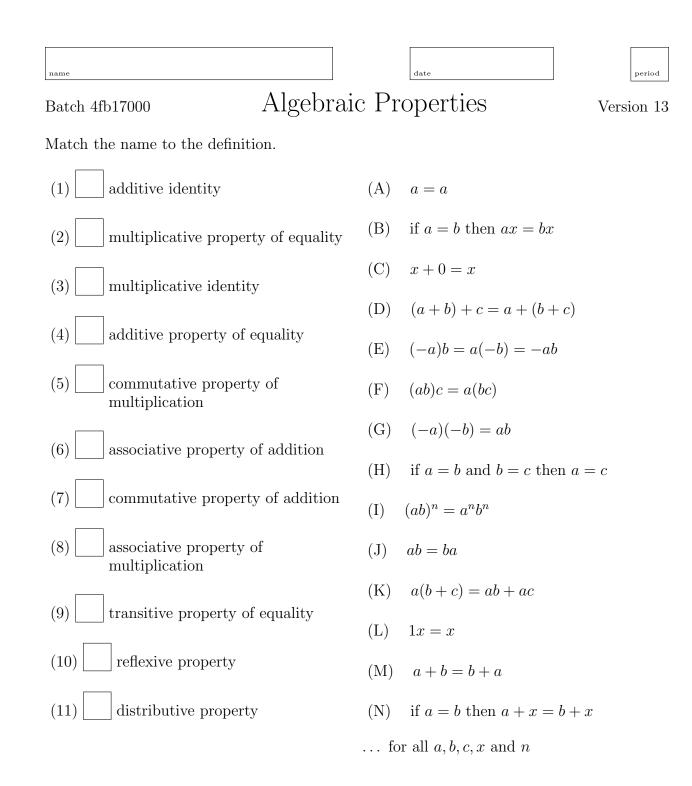




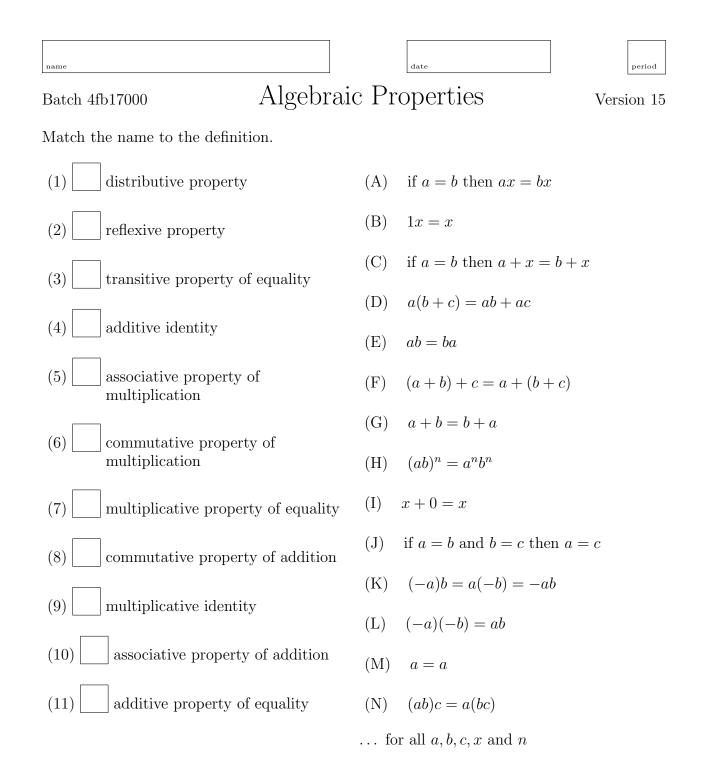




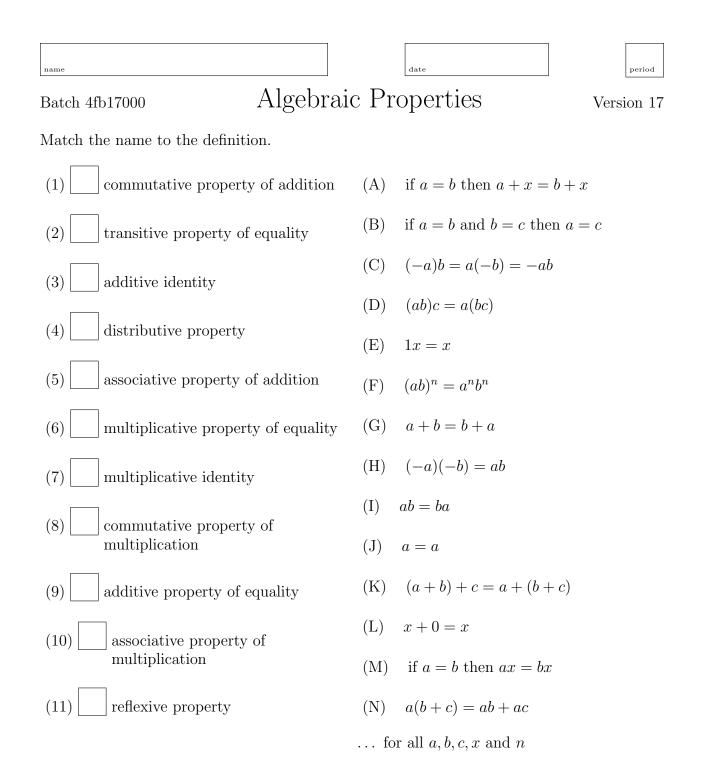


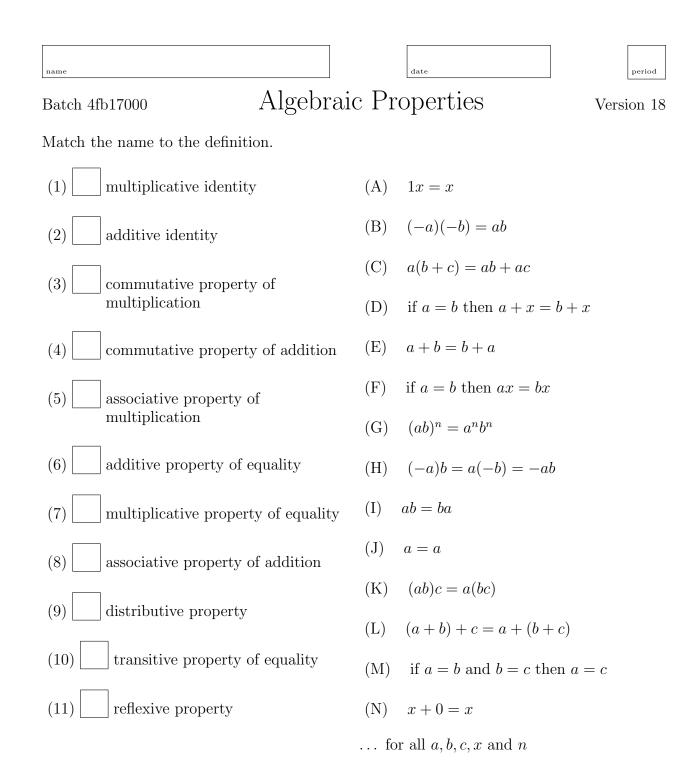


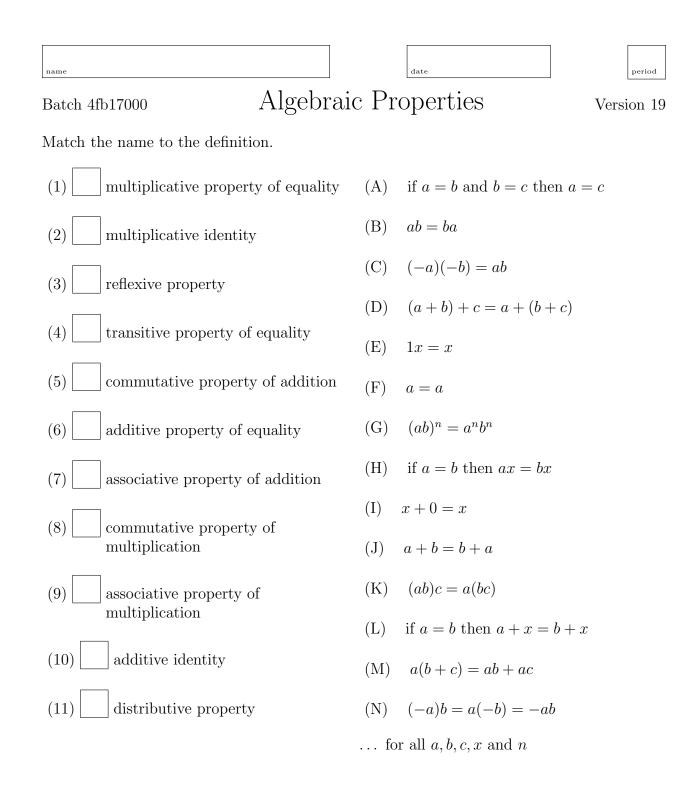
name date period Algebraic Properties Batch 4fb17000 Version 14 Match the name to the definition. (1)associative property of (A)a = amultiplication (B) $(ab)^n = a^n b^n$ (2)associative property of addition (C)(ab)c = a(bc)(3)commutative property of (D)a+b=b+amultiplication (E)ab = ba(4)distributive property (a+b) + c = a + (b+c) (\mathbf{F}) (5)reflexive property (\mathbf{G}) if a = b and b = c then a = c(6)commutative property of addition a(b+c) = ab + ac(H)if a = b then ax = bx(I)(7)additive identity x + 0 = x (\mathbf{J}) (8)multiplicative identity (-a)b = a(-b) = -ab (\mathbf{K}) (9)transitive property of equality (-a)(-b) = ab(L)(10)multiplicative property of equality if a = b then a + x = b + x(M)(11)additive property of equality (N)1x = x \dots for all a, b, c, x and n



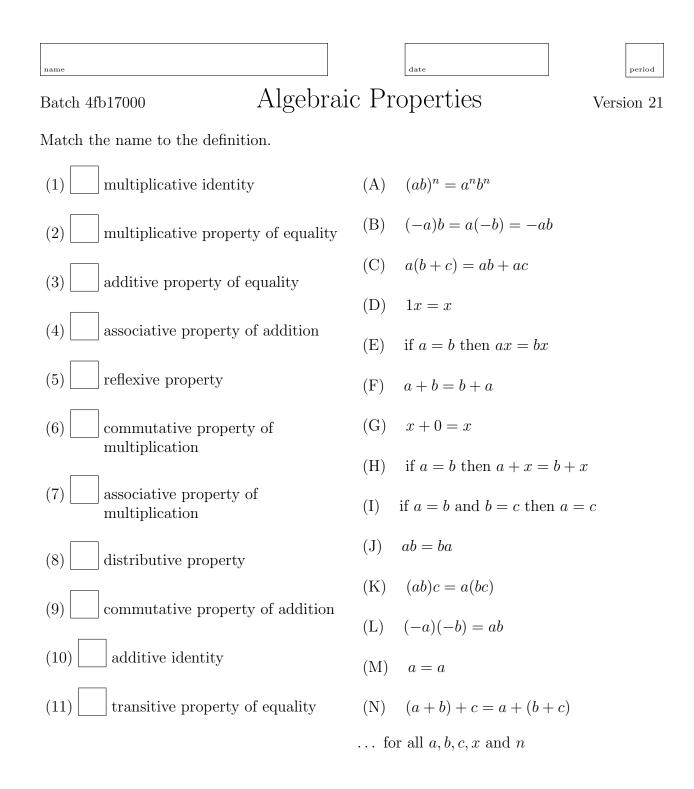
name date period Algebraic Properties Version 16 Batch 4fb17000 Match the name to the definition. (1)(A) a(b+c) = ab + acassociative property of addition (B)a+b=b+a(2)commutative property of addition if a = b and b = c then a = c(C)(3)associative property of multiplication (-a)(-b) = ab(D)(4)(E)(ab)c = a(bc)multiplicative property of equality (-a)b = a(-b) = -ab (\mathbf{F}) (5)commutative property of multiplication $(ab)^n = a^n b^n$ (G)(6)transitive property of equality if a = b then a + x = b + x(H)(I)ab = ba(7)additive identity (a+b) + c = a + (b+c) (\mathbf{J}) (8)reflexive property (\mathbf{K}) x + 0 = x(9)multiplicative identity (L)if a = b then ax = bx(10)distributive property (M)1x = x(11)additive property of equality (N)a = a \dots for all a, b, c, x and n

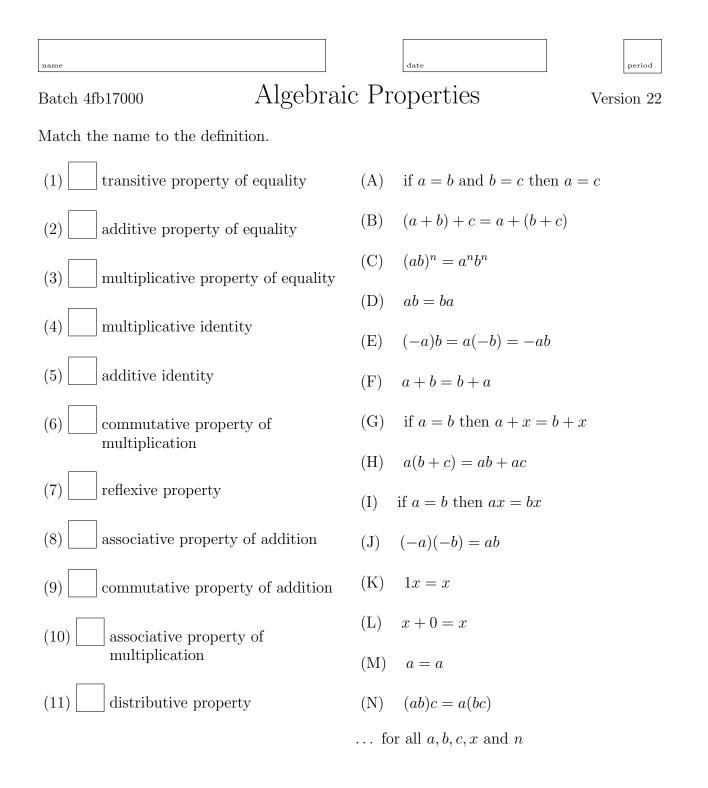


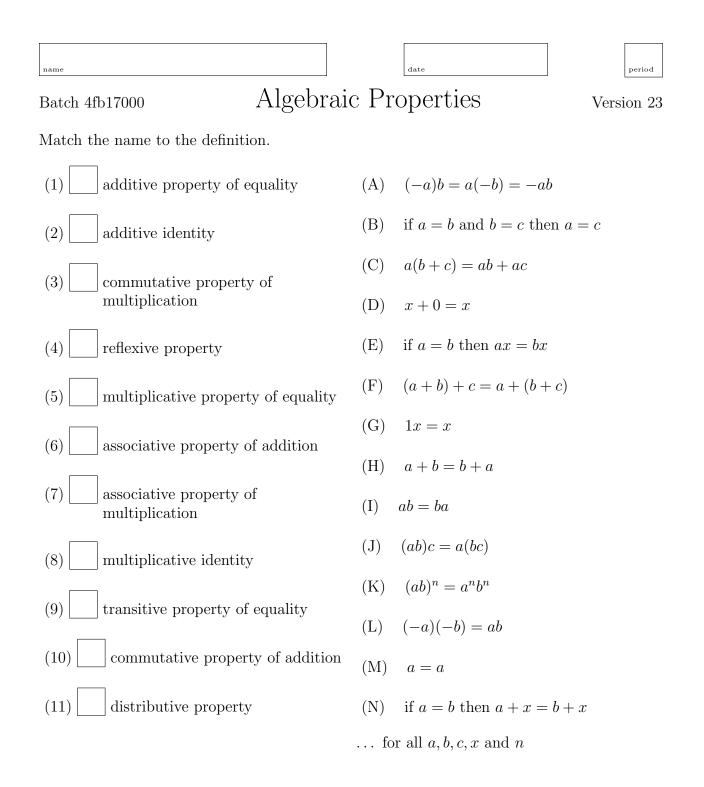


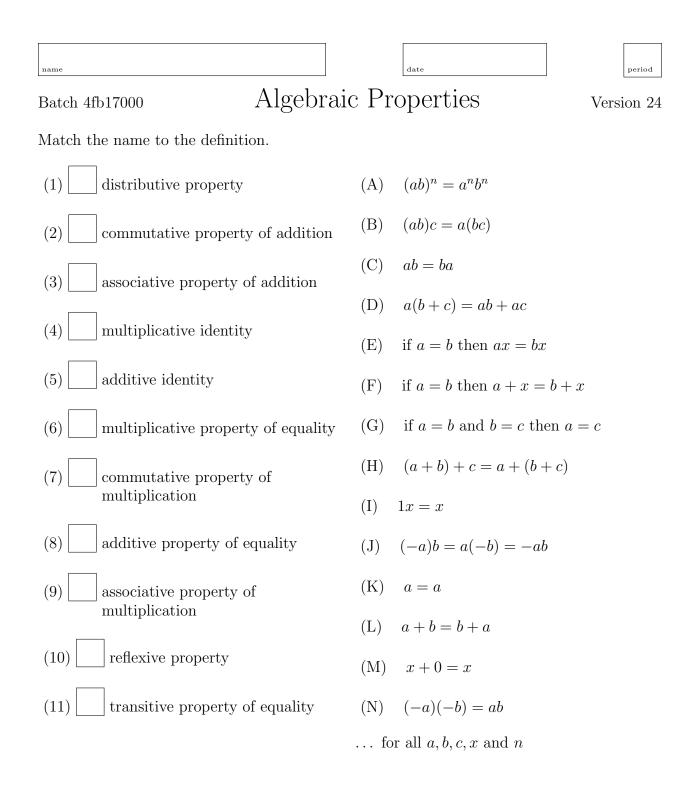


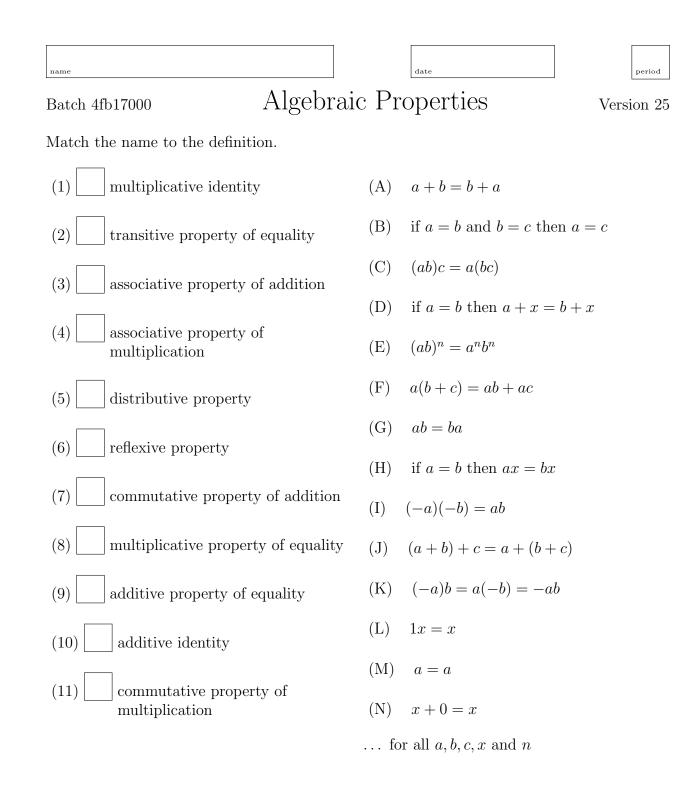
name date period Algebraic Properties Version 20 Batch 4fb17000 Match the name to the definition. (1)(A) (-a)b = a(-b) = -abcommutative property of addition (B)ab = ba(2)reflexive property if a = b then a + x = b + x(C)(3)commutative property of multiplication (D)a+b=b+a(4)(E)if a = b and b = c then a = cdistributive property (-a)(-b) = ab (\mathbf{F}) (5)additive identity a(b+c) = ab + ac (\mathbf{G}) (6)additive property of equality $(ab)^n = a^n b^n$ (H)(7)associative property of x + 0 = x(I) multiplication (\mathbf{J}) 1x = x(8)associative property of addition (\mathbf{K}) a = a(9)multiplicative identity (L)(ab)c = a(bc)(10)transitive property of equality (M)if a = b then ax = bx(11)multiplicative property of equality (a+b) + c = a + (b+c)(N) \dots for all a, b, c, x and n











$ \begin{array}{c} \text{Ver 1} \\ \hline (1) \\ (2) \\ \text{A} \end{array} $	$\begin{array}{c} \text{Ver 2} \\ \hline (1) \text{ A} \\ (2) \text{ D} \end{array}$	$\begin{array}{c} \text{Ver 3} \\ \hline (1) \text{ H} \\ (2) \text{ N} \end{array}$	$\begin{array}{c c} Ver 4 \\ \hline (1) A \\ (2) I \end{array}$	$\begin{array}{c} \text{Ver 5} \\ \hline (1) \text{ E} \\ (2) \text{ C} \end{array}$	$\begin{array}{c c} Ver \ 6 \\ \hline (1) \ D \\ (2) \ M \end{array}$	$ \begin{array}{c} \text{Ver 7}\\ \hline (1) J\\ (2) F \end{array} $	$ \begin{array}{c} \text{Ver 8}\\ \hline (1) \text{ K}\\ (2) \text{ C} \end{array} $	$ \begin{array}{c} \text{Ver 9}\\ \hline (1) G\\ (2) N \end{array} $
$ \begin{array}{c} (3) H \\ (4) G \\ (5) B \\ (6) M \end{array} $	(3) M (4) K (5) N (6) B	(3) B (4) G (5) F (6) I	(3) B (4) D (5) J (6) G	$ \begin{array}{c c} (3) & K \\ (4) & J \\ (5) & A \\ (6) & M \end{array} $	$ \begin{array}{c} (3) E \\ (4) J \\ (5) B \\ (6) C \end{array} $	$ \begin{array}{c c} (3) I \\ (4) H \\ (5) A \\ (6) E \end{array} $	(3) L (4) E (5) H (6) B	$ \begin{array}{c} (3) C \\ (4) A \\ (5) K \\ (6) B \end{array} $
(7) N	(7) C	(7) A	(7) H	(7) L	(7) I	(7) K	$ \begin{array}{c} (0) & B \\ (7) & D \\ (8) & G \\ (9) & N \end{array} $	(7) E
(8) C	(8) J	(8) D	(8) N	(8) H	(8) F	(8) C		(8) M
(9) D	(9) H	(9) C	(9) E	(9) B	(9) N	(9) N		(9) J
(10) J	(10) G	(10) K	(10) K	(10) D	(10) H	(10) G	(10) M	(10) L
(11) F	(11) I	(11) M	(11) L	(11) G	(11) A	(11) B	(11) I	(11) I
Ver 10	Ver 11	Ver 12	Ver 13	Ver 14	Ver 15	Ver 16	Ver 17	Ver 18
(1) E	(1) E	(1) K	(1) C	(1) C	(1) D	(1) J	(1) G	(1) A
(2) D	(2) I	(2) C	(2) B	(2) F	(2) M	(2) B	(2) B	(2) N
(3) N	(3) H	(3) F	(3) L	(3) E	(3) J	(3) E	(3) L	(3) I
(4) A	(4) A	(4) M	(4) N	(4) H	(4) I	(4) L	(4) N	(4) E
(5) H	(5) N	(5) J	(5) J	(5) A	(5) N	(5) I	(5) K	(5) K
(6) B	(6) G	(6) L	(6) D	(6) D	(6) E	(6) C	(6) M	(6) D
(7) K	(7) L	(7) B	(7) M	(7) J	(7) A	(7) K	(7) E	(7) F
(8) M	(8) C	(8) N	(8) F	(8) N	(8) G	(8) N	(8) I	(8) L
(9) J	(9) J	(9) G	(9) H	(9) G	(9) B	(9) M	(9) A	(9) C
(10) G	(10) F	(10) E	(10) A	(10) I	(10) F	(10) A	(10) D	(10) M
(11) C	(11) B	(11) H	(11) K	(11) M	(11) C	(11) H	(11) J	(11) J
Ver 19 (1) H (2) E (3) F (4) A (5) J (6) L (7) D (8) B (9) K (10) I (11) M	Ver 20 (1) D (2) K (3) B (4) G (5) I (6) C (7) L (8) N (9) J (10) E (11) N	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$) D) E) H) N) M) J) K) C) F) G ((1)	Yer 22 (1) A (2) G (3) I (4) K (5) L (6) D (7) M (8) B (9) F 10) N 11) H	Ver 23 (1) N (2) D (3) I (4) M (5) E (6) F (7) J (8) G (9) B (10) H (11) C	Ver 24 (1) D (2) L (3) H (4) I (5) M (6) E (7) C (8) F (9) B (10) K (11) G	$ \begin{array}{c} (2) \\ (3) \\ (4) \end{array} $	L B J C F M A H D N