

22/7/21

Homework

Ex - 18(A)

1) Express each of the following statements in algebraic form:

i) The sum of 8 and x is equal to y .

A) $8 + x = y$

ii) x decreased by 5 is equal to y .

A) $x - 5 = y$

iii) The sum of 2 and x is greater than y .

A) $2 + x > y$

iv) The sum of x and y is less than 24.

A) $x + y < 24$

v) 15 multiplied by m gives $3n$.

Ans - $15 \times m = 3n$

vi) Difference of 8 and y is equal to 3x.

A) $8 - y = 3x$

vii) 30 divided by b is equal to p.

A) $30 \div b = p$

viii) 2 decreased by 3x is equal to y.

A) $2 - 3x = y$

ix) 12 times of x is greater than 5z.

A) $12x > 5z$

x) 12 times of x is greater than 5z.

A) $12x > 5z$

xi) 12 times of x is less than 5z.

A) $12x < 5z$

xii) 32 subtracted from 45 is equal to y.

A) $45 - 32 = y$

xiii) 8x divided by y is equal to 2z.

A) $8x \div y = 2z$

xiv) 7y subtracted from 5x gives 8z.

A) $5x - 7y = 8z$

xv) 7y decreased by 5x gives 8z.

A) $7y - 5x = 8z$

2) For each of the following algebraic expressions write a suitable statement in words:

(i) $3x + 8 = 15$

A) 3x plus 8 is equal to 15

ii) $7 - y > x$

A) 5 divided by 2 is 7 decreased by y is greater than x

iii) $2y - x < 12$

A) $2y$ decreased by x is less than 12

iv) $5 \div 2 = 5$

A) 5 divided by 2 is equal to 5

v) $a + 2b > 18$

A) a increased by $2b$ is greater than 18

vi) $2x - 3y = 16$

A) $2x$ decreased by $3y$ is equal to 16

vii) $3a - 4b > 14$

A) $3a$ decreased by $4b$ is greater than 14

viii) $b + 7a < 24$

A) b increased by $7a$ is less than 24

$$\text{ix) } (1b + 2a) - x > 25$$

A) The sum of $1b$ and $2a$ decreased by x is greater than 25

$$\text{x) } (3x + 12) - y < 3a$$

A) The sum of $3x$ and 12 decreased by y is less than $3a$.