Ex 18 A

1) i) $x + 8 = y$.

ii) $x - 5 = y$.

iii) $2 + x > y$.

iv) $x + y < 24$.

v) $15 \times m = 3n$.

vi) $8 \times y = 3x$.

vii) $30 \div b = p$.

viii) $z - 3x = y$.

ix) $12 \times x = 5z$.

x) $12 \times x > 5z$.

xi) $12 \times x < 5z$.

xii) $3z - 45 = y$.

xiii) $8x \div y = 2z$.

xiv) $7y - 5x = 8z$.

xv) $7y - 5x = 8z$.

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

i) $3x + 8 = 15$

Ans→ The sum of 3x and 8 is equal to 15.

ii) $7 - y > x$

Ans→ 7 decreased by y is greater than x.

iii) $2y - x < 12$

Ans→ 2y decreased by x is less than 12.

iv) $5 \div z = 5$

Ans→ 5 divided by z gives 5.

v) $a + 2b > 18$

Ans→ The sum of a and 12b is greater than 18.

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vi) $2x - 3y = 16$

Ans→ 2x decreased by 3y gives 16.

vii) $3a - 4b > 14$

Ans→ 3a decreased by 4b is greater than 14.

viii) $b + 7a < 21$

Ans→ The sum of b and 7a is less than 21.

ix) $(16 + 2a) - x > 25$

Ans→ 16 added to 2a decreased by x gives the constant answer 25. Which is less than the sum of (16 and 2a) and difference of x.

x) $(3x + 12) - y < 3a$

Ans→ 3x added to 12 decreased by y ~~gives~~ is less than 3a.