

Math homework

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Ex 18 A QNO 2

2. (i) $3x + 8 = 15$
8 added to $3x$ is 15.

(ii) $7 - y > 2$
 y subtracted from 7 is larger than 2

(iii) $2y - x < 12$
 x subtracted from $2y$ is smaller than 12.

(iv) $5 \div 2 = 5$
five divided by 2 is equal to 5.

(v) $a + 2b > 14$
 $2b$ added to a is bigger than 14.

(vi) $2x - 3y = 16$

$3y$ subtracted from $2x$ is 16.

(vii) $3a - 4b > 14$

$4b$ subtracted from $3a$ is bigger 14.

(viii) $b + 7a < 21$

$7a$ added to b is smaller than 21.

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

The sum of 16 and $2a$ decreased by x is bigger than

(x) $(3x + 12) - y < 39$

The sum of $3x$ and 12 subtracted from y is smaller than 39.

Ex = 18(B)

3. (i) 16 is a constant and y is a variable, but $16y$ is a variable. True

(ii) $5x$ has two terms 5 and x . True

(iii) a and $-a$ are like terms. True

(iv) The expression $2x^2 + x$ is a trinomial. False

- (v) $ax^2 + bx + c$ is a trinomial. True
- (vi) $8x$ is a trinomial. False
- (vii) $8 + ab$ is a binomial. True
- (viii) $x^3 - 5xy + 6x + 7$ is a polynomial. True
- (ix) $x^3 - 5xy + 6x + 7$ is a multinomial. True
- (x) The coefficient of x in $5x$ is $5x$. False
- (xi) The coefficient of ab in $-ab$ is -1 . True
- (xii) The coefficient of y in $-3xy$ is -3 . False
5. (i) xy and $-yx$ are like terms. True
- (ii) x^2y and $-y^2x$ are like terms. False
- (iii) a and $-a$ are like terms. True
- (iv) $-ba$ and $2ab$ are unlike terms. False
- (v) 5 and $5x$ are like terms. False
- (vi) $3xy$ and $4xyz$ are unlike terms. True
7. (i) $x = 1$ (ii) $-x = -1$ (iii) $-3x = -3$
- (iv) $-5ax = -5a$ (v) $\frac{3}{2}xy = \frac{3y}{2}$

$$\frac{a^2}{y} = \frac{a}{y}$$