$$f(n) = n^2 - n + 11$$

$$f(n) = n^2 - 11 + 11 = 121$$

$$f(n) = 11^2 - 11 + 11 = 121$$
So, 121 which we get 15 not a prime no

$$f(x,y) = 2^{2x} + 3^{2y+1}$$

$$f(x,y) = 2^{2} + 3^{2(x)+1} = 4 + 3^{5}$$

$$f(1,2) = 2^{2} + 3^{2(x)+1} = 4 + 3^{5}$$

$$= 4247$$
But 247 is not a prime number.

(13)
$$\left|\frac{1}{m} - \frac{1}{n}\right| > \frac{1}{2}$$

Set $m = 1 \ 2 \ n = 1$
 $\left|\frac{1}{1} - \frac{1}{1}\right| = 0 \ \left(\frac{1}{2}\right)$

So, given Statement is disposed.

Det n=6

$$n^2 = 36$$
 which is divisible by 4.

But 6 is not divisible by 4.

hence, given statement is disproved

(3)
$$(a^2+b)^2 = a^2+b^2$$

Let $a=2$, $b=2$
 $(2+2)^2 = 16$ but a $2^2+2^2 = 8$
So, Statement 15 not an algebric expression.

$$\frac{1}{x+2}=\frac{1}{x}+\frac{1}{2}.$$

let x = 2.

$$x = 0$$

$$10 = x$$

$$0$$

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nence, given statement is not define. Gos 4P,9,X eR.

$$min(-2,-3) = -2.$$

and.
$$a+b = -2-3 = -5$$
.

if
$$x^2$$
 is rational then x is rational.
Let $x = J_2$.

$$x^2 = (\sqrt{2})^2 \Rightarrow \text{sational}$$

nence, disposud.

2 12+ 12 - 127 + 127

T1.5+ 2.47 = 13.97 = 4 [1.5] + [2.4] = 2+3=5 2 = 1.5 , y= 2.4 nence, disposed as 4±5