

1. The intersection of $\{9,10,11, 12\}$ and $\{10,11,12, 13, 14\}$ is the set

$\{10,11, 12\}$

2. In mathematics, ____ is the process of choosing something better out of the lot.

Optimization

3. In completing the square in $y = 3x^2 - 12x - 7$, the value of ad square is

-19

4. Given $5y + 3 < 18$, the value of y is ?

< 3

5. Decision-makers in standard economic theory are assumed to be ____

rational

6. Given the number 10 raised to the power zero , the base and index are ____ respectively

1 and 10

7. When the sign in the middle of two binomials is changed or negated, we have what is called ____

conjugate

8. If $n > 0$, then $-n =$

< 0

9. In linear programming, the ____ function describes the determinants of the quantity to be maximized or minimized.

criterion

10. The notation $x \leq y$ means

x is less than or equal to y

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