

The complete solution of the inequation $x^2-4x<12$ is

A) $x<-2$ or $x>6$

B) $-6<x<2$

C) $2<x<6$

D) $-2<x<6$

Correct Answer: D

Solution:

$$X^2-4x<12$$

$$X^2-4x-12<0$$

$$X^2-6x+2x-12<0$$

$$(x-6)(x+2)<0$$

$$-2<x<6.$$