

Answer on Question #68606-Physics-Other

If the forces 3N, 4N and 12N are working one another perpendicular directions at a point, then what is the value of last force?

Solution

The value of last force is

$$F = \sqrt{f_1^2 + f_2^2 + f_3^2} = \sqrt{3^2 + 4^2 + 12^2} = 13 \text{ N.}$$

Answer: 13 N.

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