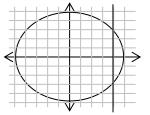


Lost Week's Answer

The graph of $x^2 + y^2 = 25$ and the graph of x - 4 = 0 are drawn on the same set of axes. A point of intersection of the graphs is:

A. (5,0) B. (-4,-3) C. (4,-3) D. (-3,4) E. (4,-4)



Solution:

The first equation represents a circle with standard form: $(x - 0)^2 + (y - 0)^2 = 5^2$. The circle has a center at (0,0) and a radius of 5 units. The second equation represents the vertical line x = 4. The graphs intersect at two points: (4,3) and (4, -3).

Note that answers A, B, and D are solutions of the first equation, but not the second.

Each week, we'll reveal the answer to the previous week's question!

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