Subject: Geometry question regarding X/Y coordinates
Posted by spreegem on Thu, 05 May 2005 00:56:04 GMT
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Ok. . . I have two sets of X/Y points. . . Lets say 2,4 and 5,9 I need to find the distance between the two points, what is the equation to do that? Thanks in advance. I know I learned this earlier in the year in my Geometry class but I can't find my notes about it.

Subject: Geometry question regarding X/Y coordinates
Posted by Sir Phoenixx on Thu, 05 May 2005 01:25:22 GMT
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The distance would be the square root of (x2-x1)^2 + (y2-y1)^2.

Which in this case would be: The square root of (5-2)^2 + (9-4)^2, or 5.83.

(5-2 is 3, to the second power is 9. 9-4 is 5, to the second power is 25. 9 + 25 is 34, and the square root of 34 is 5.83 (rounded).)

Subject: Geometry question regarding X/Y coordinates
Posted by spreegem on Thu, 05 May 2005 02:04:52 GMT
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Ok, thanks this will help me a bunch with my MMOG. . .

Subject: Geometry question regarding X/Y coordinates
Posted by Crimson on Thu, 05 May 2005 06:25:11 GMT
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The Pythagorean Theorem. Know it, love it.

Subject: Geometry question regarding X/Y coordinates
Posted by Oblivion165 on Thu, 05 May 2005 07:19:21 GMT
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Subject: Geometry question regarding X/Y coordinates
Posted by cheesesoda on Thu, 05 May 2005 13:15:58 GMT
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Geometry sucked. This was the first math class that I almost failed. Granted, my Geometry teacher sucked, so that did help.

Subject: Geometry question regarding X/Y coordinates
Posted by flyingfox on Thu, 05 May 2005 13:52:51 GMT
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I thought it was the pythagoras theorem (yes I know the guy's name was pythagoras)

Subject: Geometry question regarding X/Y coordinates
Posted by cheesesoda on Thu, 05 May 2005 13:59:10 GMT
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Nope, it's Pythagorean.

Edit: I bet both would be correct, though.

Subject: Geometry question regarding X/Y coordinates
Posted by snipesimo on Thu, 05 May 2005 19:03:38 GMT
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You are wrong Crimson, that is actually the Distance Formula

Subject: Geometry question regarding X/Y coordinates
Posted by spreegem on Thu, 05 May 2005 19:12:13 GMT
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I get what Crimson means. . . Find out how far horizontally and vertically I need to go, then find the diagonal. A^2 + B^2 = C^2

Subject: Geometry question regarding X/Y coordinates
Posted by mrpirate on Thu, 05 May 2005 19:37:00 GMT
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snipesimoYou are wrong Crimson, that is actually the Distance Formula

It's still the Pythagorean Theorem.

Subject: Geometry question regarding X/Y coordinates
Posted by Dan on Thu, 05 May 2005 21:16:07 GMT
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What about working out the distance between:

(3,5,9)
and
(-2,3,3)

Easy

Subject: Geometry question regarding X/Y coordinates
Posted by ghostSWT on Thu, 05 May 2005 22:57:36 GMT
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DanWhat about working out the distance between:
(3,5,9)
and
(-2,3,3)Easy Um... Distance = sqrt((P2.x - P1.x)^2 + (P2.y - P1.y)^2 + (P2.z - P1.z)^2)

about 8.06225....

Subject: Geometry question regarding X/Y coordinates
Posted by stealthkiller on Fri, 06 May 2005 01:39:59 GMT
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I've seen this equation in every math. Granted, distance formula is for coordinates and Pythagorean theorem is for triangles, they're basically the same thing. You'll learn to love this equation

Subject: Geometry question regarding X/Y coordinates
Posted by glyde51 on Fri, 06 May 2005 02:22:47 GMT
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Nice to know I'm advanced in math...

If you need any explaining help, e-mail me. I'll do my best to help you out.

Oh, Spree, by the way, I'm going to excessivley spam Eclipse forums for a while,

Subject: Geometry question regarding X/Y coordinates

Posted by hunteroo2 on Fri, 06 May 2005 04:23:11 GMT
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math just goes down hill after geometry...alg2 is such a waste of time :rolleyes:

Subject: Geometry question regarding X/Y coordinates
Posted by mrpirate on Fri, 06 May 2005 04:55:40 GMT
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No way. Triple integrals are leet.

Subject: Geometry question regarding X/Y coordinates
Posted by Hydra on Fri, 06 May 2005 05:07:05 GMT
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AYE DEECLAIR AN GRAMAR WAREZ!!!!!!!

spreegemfind the diagonal.
Hypotenuse.

And it's Pythagorean Theorem.

Subject: Geometry question regarding X/Y coordinates
Posted by Dan on Fri, 06 May 2005 13:40:21 GMT
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ghostSWTDanWhat about working out the distance between:
(3,5,9)
and
(-2,3,3)Easy Um... Distance = sqrt((P2.x - P1.x)^2 + (P2.y - P1.y)^2 + (P2.z - P1.z)^2)

about 8.06225....

You win the prize \(^o^)/

Subject: Geometry question regarding X/Y coordinates
Posted by Crimson on Fri, 06 May 2005 14:50:36 GMT
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stealthkillerI've seen this equation in every math. Granted, distance formula is for coordinates and Pythagorean theorem is for triangles, they're basically the same thing. You'll learn to love this equation

They aren't "basically" the same thing. They ARE the same thing.

Subject: Geometry question regarding X/Y coordinates
Posted by Dan on Fri, 06 May 2005 17:07:30 GMT
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What about the perimeter of this triangle:

A (4,6,
B (2,9,6)
C (7,3,6)

Subject: Geometry question regarding X/Y coordinates
Posted by PhrozenUnit on Fri, 06 May 2005 17:50:52 GMT
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132 units

Subject: Geometry question regarding X/Y coordinates
Posted by ESFEAR1 on Mon, 09 May 2005 00:19:18 GMT
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something like this i think,Pythagorean Theorem a 2 + b 2 = c 2 , where c is the length of the hypotenuse and a and b are the lengths of the legs =)

Subject: Geometry question regarding X/Y coordinates
Posted by DarkDemin on Mon, 09 May 2005 03:42:05 GMT
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I failed my third quarter of Geometry hurray for me!