Math Practice - Grade 8

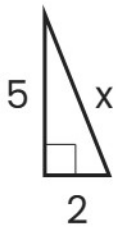
M10 Pythagorean theorem

M10 8.G.B.6, 8.G.B.7, 8.G.B.8

Name: _____ Date: _____

Find a missing side of a right triangle. Find the diagonal of a box. Find the distance between two points on a coordinate grid.

1 **Find the missing side x of the right triangle.**



x = ☐

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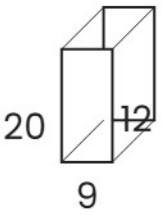
2 **A box is 9 by 12 by 20. What is the length of the diagonal of the box?**



Diagonal ☐

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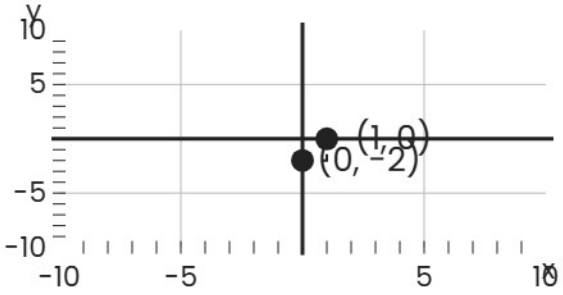
3 **Find the distance between (0, -2) and (1, 0).**



Distance ☐

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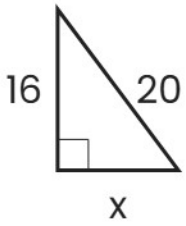

x = ☐

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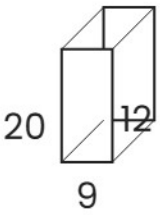

Diagonal ☐

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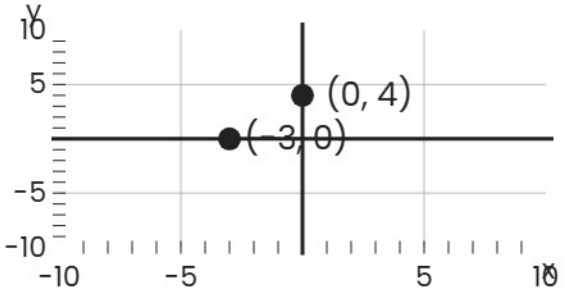
3 **Find the distance between (-3, 0) and (0, 4).**



Distance ☐

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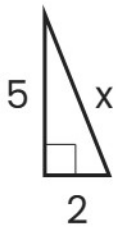

x = ☐

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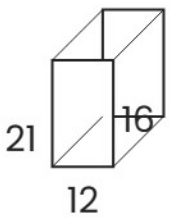
2 **A box is 12 by 16 by 21. What is the length of the diagonal of the box?**



Diagonal ☐

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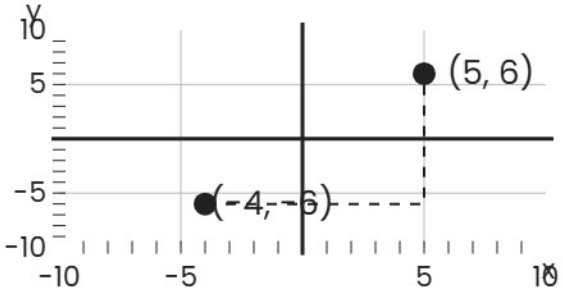
3 **Find the distance between (-4, -6) and (5, 6).**



Distance ☐