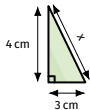


Start Tasks



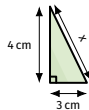
Find the horizontal change, vertical change, and distance using Pythagoras' theory.

1.



From $(0, 0)$ to $(3, 4)$, find the horizontal change, the vertical change, and the distance.

2.



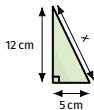
From $(1, 2)$ to $(4, 6)$, find the distance.

Start Tasks



Find the horizontal change, vertical change, and distance using Pythagoras' theory.

3.



From $(2, 1)$ to $(7, 13)$, find the distance.

4. From $(2, 3)$ to $(8, 11)$, find the distance.

Start Tasks



Find the distance between two points, including cases with negative coordinates.

5. From $(4, 5)$ to $(11, 29)$, find the distance.

6. From $(-1, 1)$ to $(2, 5)$, find the distance.

7. From $(-2, -3)$ to $(3, 9)$, find the distance.

8. From $(-3, -1)$ to $(4, 23)$, find the distance.

Start Tasks



Identify the Pythagorean triple that helps, then find the distance.

9. From $(1, -2)$ to $(9, 13)$, find the distance.

10. Two points are $(0, 0)$ and $(12, 16)$. Which Pythagorean triple helps? Then find the distance.

11. Two points are $(3, 7)$ and $(10, 31)$. Which Pythagorean triple helps? Then find the distance.

12. Two points are $(-6, 2)$ and $(2, 17)$. Which Pythagorean triple helps? Then find the distance.