Math 8

Our Goal: To learn about the converse of the Pythagorean
Theorem and the distance formula

Warm Up: Pythagorean Theorem review

Today's homework

7.5 Exercises, p.322-322: 6-20 (evens)

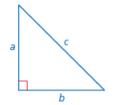
Previous homework

Extension 7.4 Practice Handout 1-11

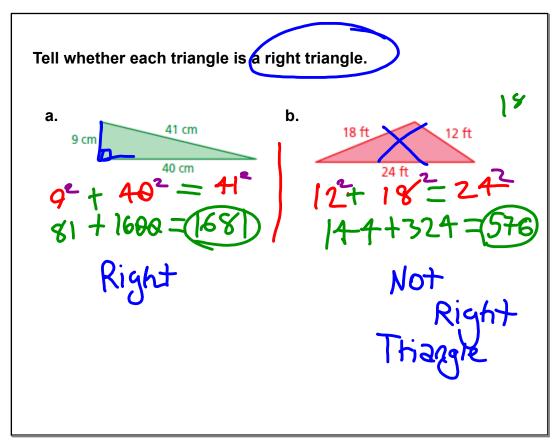


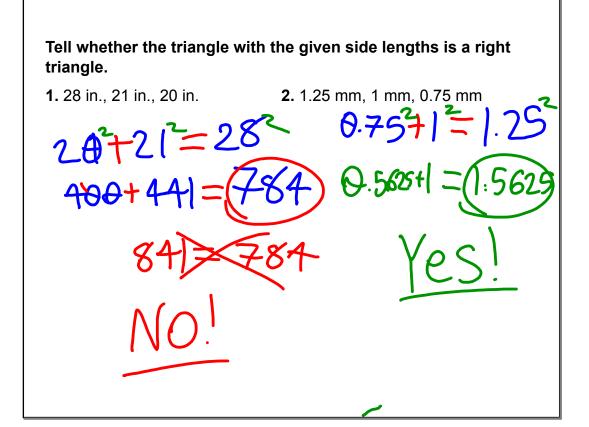
Converse of the Pythagorean Theorem

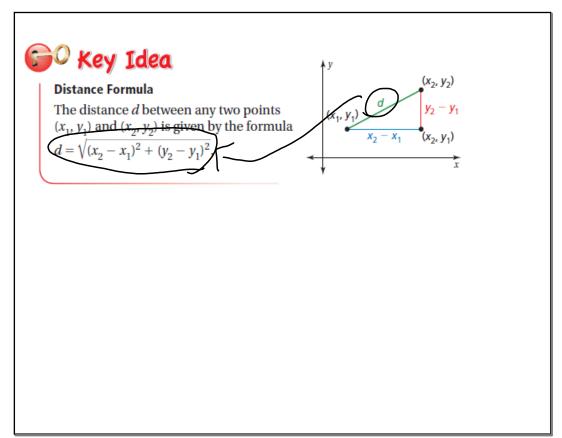
If the equation $a^2 + b^2 = c^2$ is true for the side lengths of a triangle, then the triangle is a right triangle.

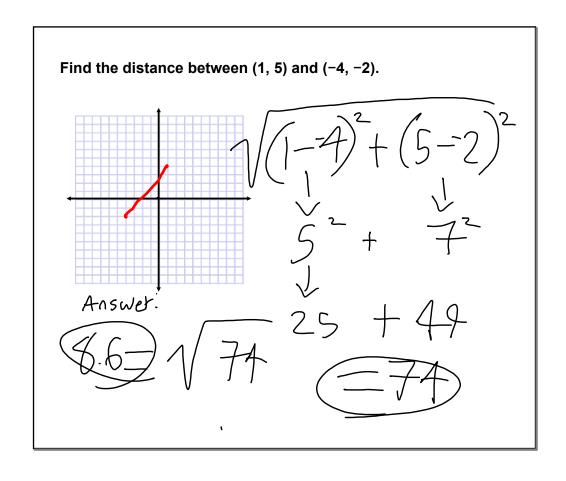


If the sides of a triangle work for 22+62=c2, then its a tight triangle!









Find the distance between the two points.

3. (0, 0), (4, 5)

Find the distance between the two points.

$$\sqrt{2+9}$$

Find the distance between the two points.

