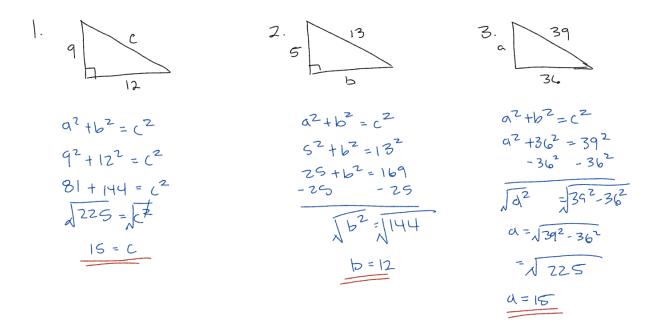
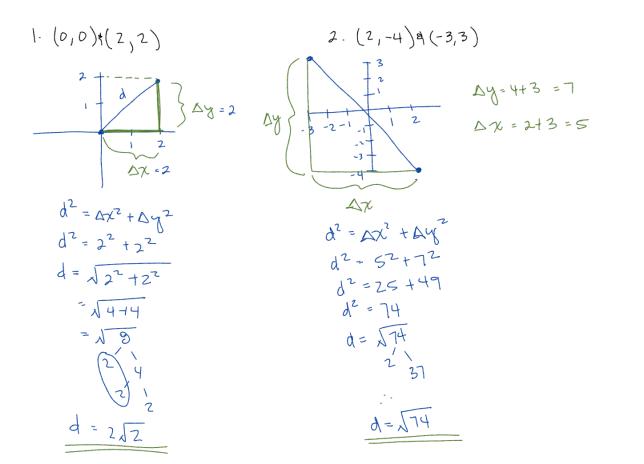
Pre-Algebra Square Roots and Right Triangles Example 2

Use the Pythagorean Theorem to find the missing side of the following right triangles:



Use what you know about the Pythagorean Theorem to find the distances between two points given:



Use a trig function to find the missing side of the right triangle:

1. X

KNOW: OPP

: . USE SIM

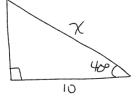
x. Sinzo = 10 x x

$$\frac{\chi \sin 20^\circ = 10}{\sin 20^\circ \sin 20^\circ}$$

 $\chi = \frac{10}{\sin 20^\circ}$

X=29.2

2.



KNOW: ADJ. NEED: HYP.

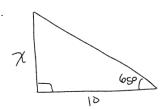
:. USE COS

$$COSQ = \frac{ADJ}{H4P}$$

(0540° = 10

 $\chi = 13.1$

3



KNOW: OFF

NED: ADS.

.. USE TAN

10. tan 650 = 2 .10

10 Ean650 = X

X=21.4