

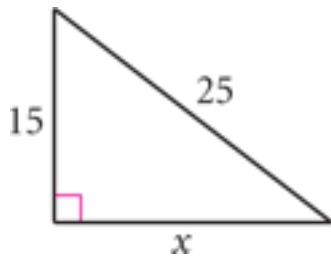
Pythagorean Theorem, Special Rights Triangles, and the Distance Formula
(p. 517 #1,5 and p.528 #1-4, 19)

Review Problems (Due 1/23, Quiz Day)

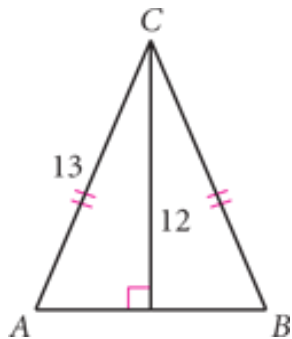
- 1 Find the distance between the points $(10,20)$ and $(13, 16)$.
- 2 Find the perimeter of $\triangle ABC$ with vertices $A(2, 4)$, $B(8, 12)$, and $C(24, 0)$.

For Exercises 1–4, measurements are given in centimeters.

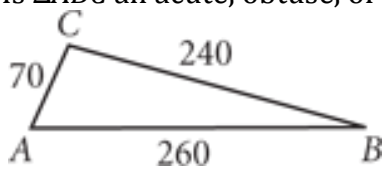
- 3 $x = ?$



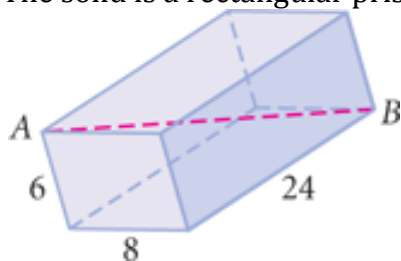
- 4 $AB = ?$



- 5 Is $\triangle ABC$ an acute, obtuse, or right triangle?



- 6 The solid is a rectangular prism. $AB = ?$



- 7 To the nearest foot, find the original height of a fallen flagpole that cracked and fell as if hinged, forming an angle of 45 degrees with the ground. The tip of the pole hit the ground 12 feet from its base.