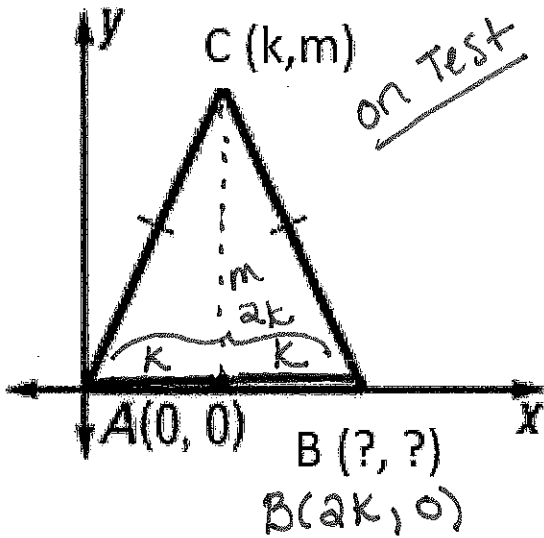


Triangle Review FAQ

1. Find the missing coordinates of each triangle.



2. Classify the triangle by its sides and angles given the two angle measure are 74° and 53° .

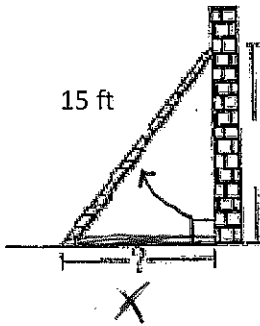


$$180 - 74 - 53 = 53^\circ$$

Sides: isosceles.

angles: acute

3. A ladder is 15ft long and reaches 10 feet up a wall, as shown in the picture. How many feet is the bottom of the base of the wall?



$$a^2 + b^2 = c^2$$

$$10^2 + x^2 = 15^2$$

$$100 + x^2 = 225$$

$$-100 \quad -100$$

$$x^2 = 125$$

$$x = \sqrt{125}$$

4. Find the value of x.



$$a^2 + b^2 = c^2$$

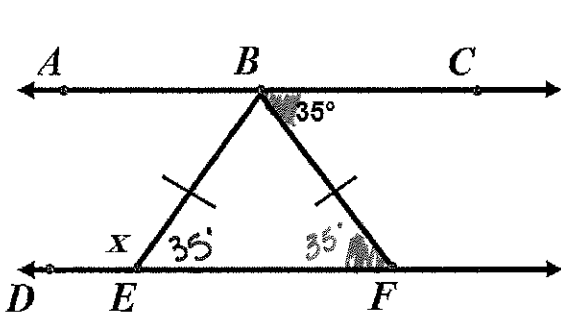
$$21^2 + 17^2 = c^2$$

$$441 + 289 = c^2$$

$$730 = c^2$$

$$x = \sqrt{730}$$

5. In the figure below, B is on \overline{AC} , E is on \overline{DF} , \overline{AC} is parallel to \overline{DF} , and \overline{BE} is congruent to \overline{BF} . What is the measure of $\angle DEB$?



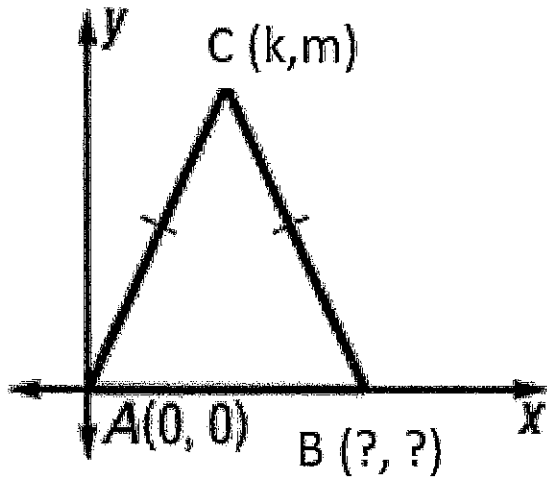
$$x + 35^\circ$$

$$180 - 35^\circ$$

$$x = 145^\circ$$

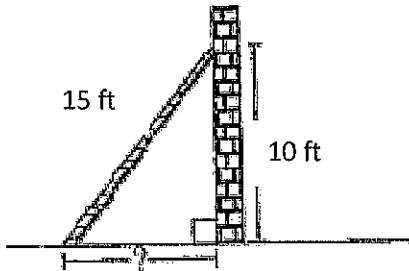
Triangle Review FAQ

1. Find the missing coordinates of each triangle.

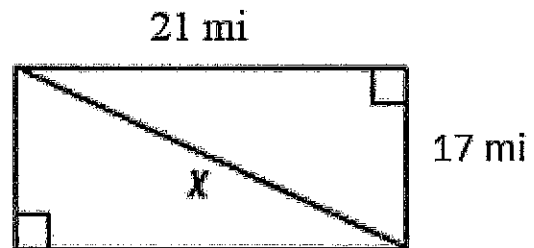


2. Classify the triangle by its sides and angles given the two angle measure are 74° and 53° .

3. A ladder is 15ft long and reaches 10 feet up a wall, as shown in the picture. How many feet is the bottom of the base of the wall?



4. Find the value of x.



5. In the figure below, B is on \overline{AC} , E is on \overline{DF} , \overline{AC} is parallel to \overline{DF} , and \overline{BE} is congruent to \overline{BF} . What is the measure of $\angle DEB$?

