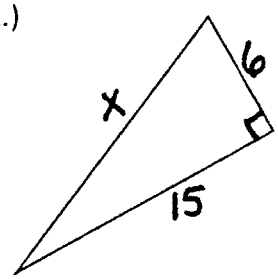
LOOKING FOR PYTHAGORAS ~ AFL PLUS CLASS

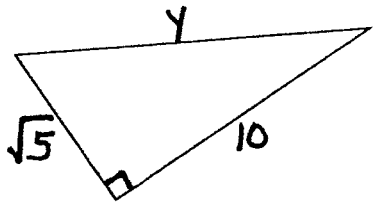
Learning Target 1:
I am able to apply the Pythagorean Theorem in a variety of situations. (_____/10 _____%)

In 1 – 4, find the missing side length.

1.)



2.)

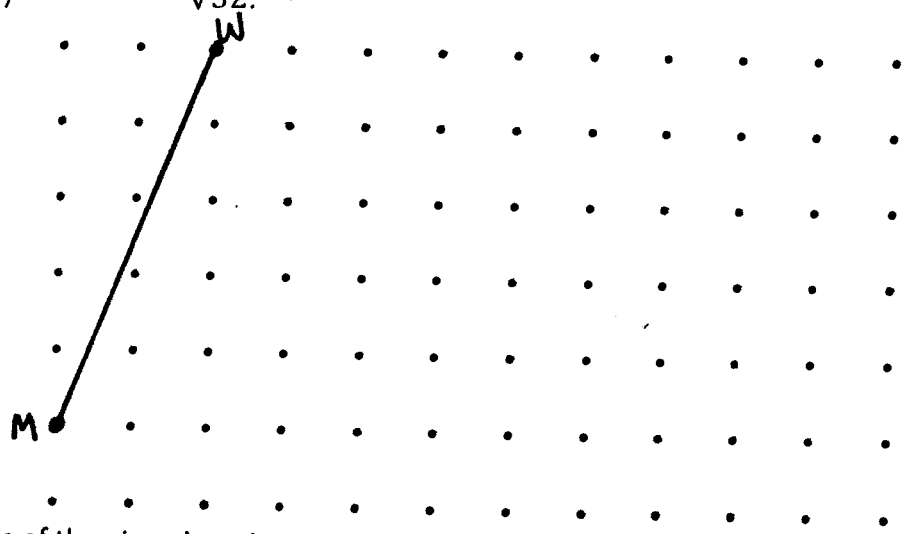


3.) If a = 5 and c = 35, then b = _____.

4.) If a = 6 and b = $\sqrt{14}$, then c = _____.

5.) Find the length of the line if you connected the points (5, –3) and (2, –9) on a coordinate grid.

6.) Draw a line segment with a length of $\sqrt{32}$.



7.) What is the length of segment $\overline{MW}$?

In 8 – 9, determine if the triangle with sides of the given length is a right triangle. Write yes or no and explain.

8.) 7 ft, $\sqrt{58}$ ft, 3 ft

9.) $\sqrt{244}$ in, 10 in, 12 in

10.) A ship sailed north a distance of 40 miles, then sailed east a distance of 20 miles. Find the distance between the start and end points.