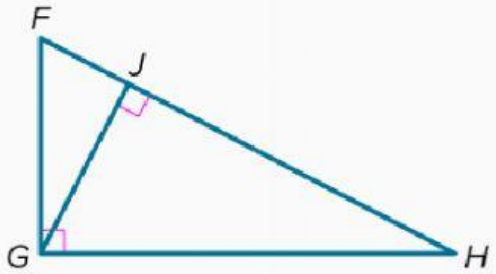
Geometric Mean

Find the geometric mean between 8 and 10.

- A $2\sqrt{5}$
- B $4\sqrt{5}$
- C $16\sqrt{5}$
- D $20\sqrt{2}$

Select the similarity statement that identifies the three similar right triangles in the figure.

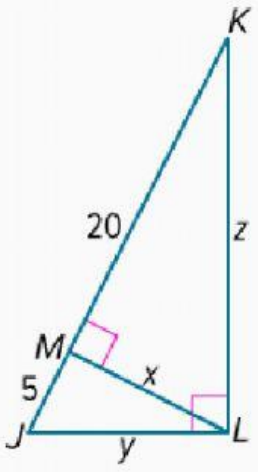


- A $\triangle FGH \sim \triangle FGJ \sim \triangle GHJ$
- B $\triangle FGH \sim \triangle GJH \sim \triangle FJG$
- C $\triangle GJF \sim \triangle GJH \sim \triangle FGH$
- D $\triangle HJG \sim \triangle FJG \sim \triangle FHG$

Find the values of *x*, *y*, and *z*.

$x =$ [ ] , $y =$ [ ] , and $z =$ [ ] .

0.0 0.0

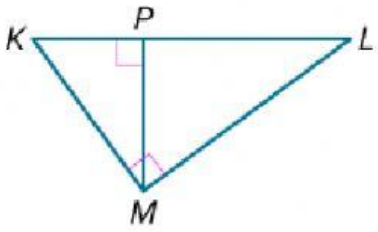


عزيزي الطالب : أولاً اجتهد في فهم ومذاكرة تمارين الكتاب(الكتاب أولاً). تمنياتي للجميع بالنجاح والتفوق

Find the geometric mean between 12 and 15. Write your answer in simplest radical form, if necessary.

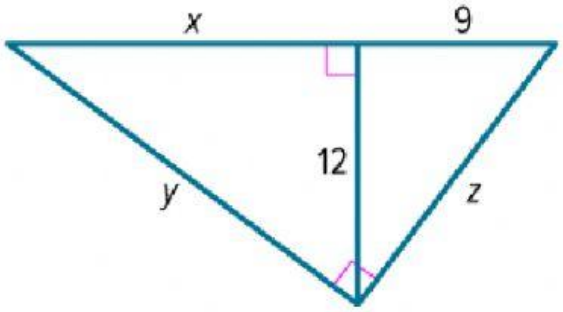
0.0

Select the similarity statement that identifies the three similar right triangles in the figure.



- A) $\Delta KML \sim \Delta MPK \sim \Delta LPM$
- B) $\Delta KPM \sim \Delta MPL \sim \Delta LMK$
- C) $\Delta LKM \sim \Delta LMP \sim \Delta KMP$
- D) $\Delta KML \sim \Delta KPM \sim \Delta MPL$

Find the values of x, y, and z.



$x =$ ____ , $y =$ ____ , and $z =$ ____ .

EVENTS Katelyn wants to make a banner for homecoming that will cover a wall in the cafeteria of her high school. To find the height of the wall, Katelyn holds a folder up to her eyes so that the top and bottom of the wall are in line with the edges of the folder. If Katelyn's eye level is 5.4 feet above the ground and she stands 11 feet from the wall, how tall is the wall to the nearest foot?

____ ft

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