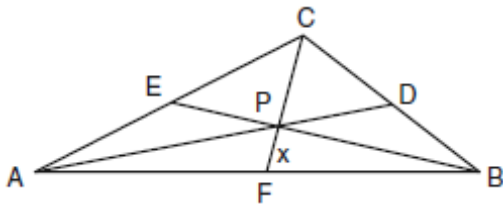


NAME: _____

G.G.43: Investigate, justify and apply theorems about the centroid of a triangle, dividing each median into segments whose lengths are in the ratio 2 : 1.

1. 060914ge, P.I. G.G.43

In the diagram of $\triangle ABC$ below, Jose found centroid P by constructing the three medians. He measured \overline{CF} and found it to be 6 inches.



If $PF = x$, which equation can be used to find x ?

- [A] $3x + 2x = 6$ [B] $2x + x = 6$
[C] $x + x = 6$ [D] $x + \frac{2}{3}x = 6$

G.G.43: Investigate, justify and apply theorems about the centroid of a triangle, dividing each median into segments whose lengths are in the ratio 2 : 1.

[1] B _____