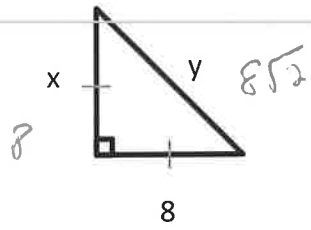
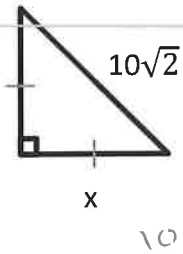
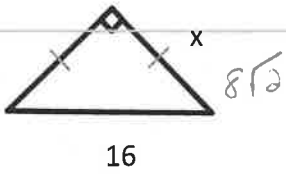
Name _____ Date _____

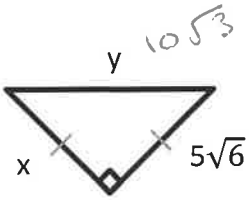
45-45-90

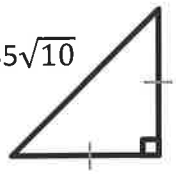
Find each indicated variable. All answers should be in simplest radical form.

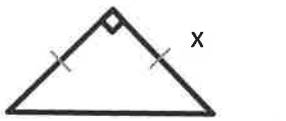


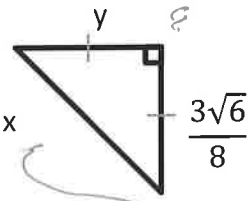


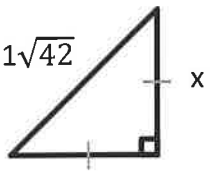


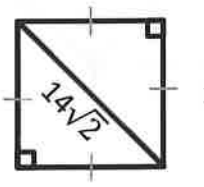


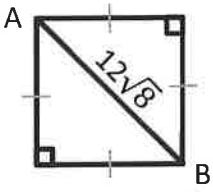




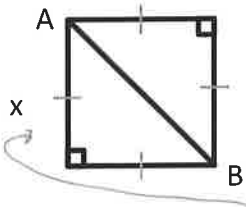








Find x. Then find the area and the perimeter of the square.



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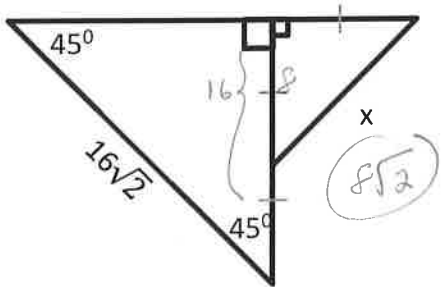

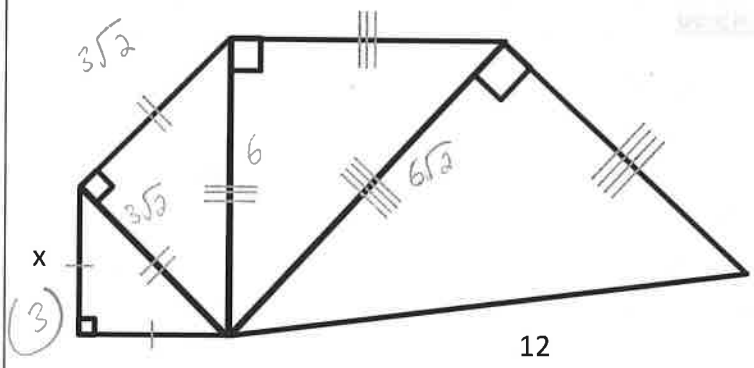

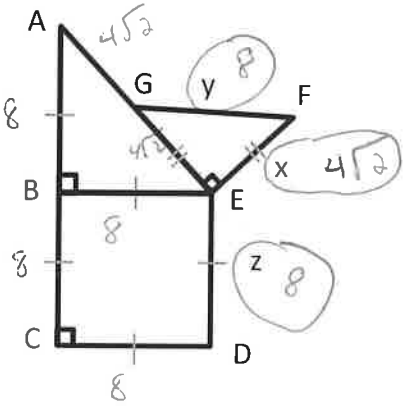

$P = 8 + 8 + 8 + 8 + 4\sqrt{2} + 8 + 4\sqrt{2}$

$40 + 8\sqrt{2}$

$A = S_q + T_{Bl\,Lq} + T_{R\,sm}$

$8 \times 8 + \frac{1}{2}(8)(8) + \frac{1}{2}(4\sqrt{2})(4\sqrt{2})$

$64 + 32 + 16$

112

AE = $8\sqrt{2}$

$\overline{GF}$ *bisects* $\overline{AE}$.

Find x, y, and z. Then calculate the area and perimeter of polygon ABCDEFG.