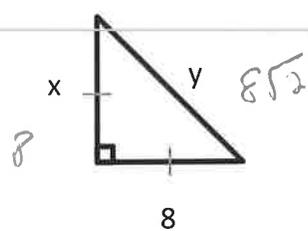
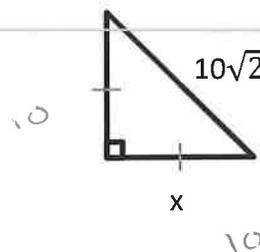
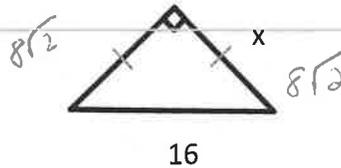
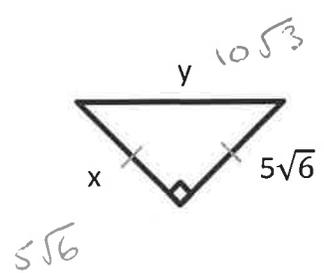
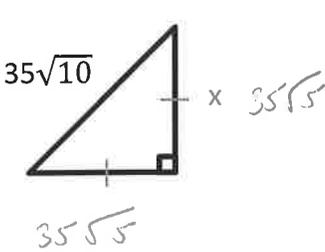
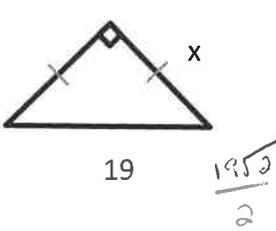
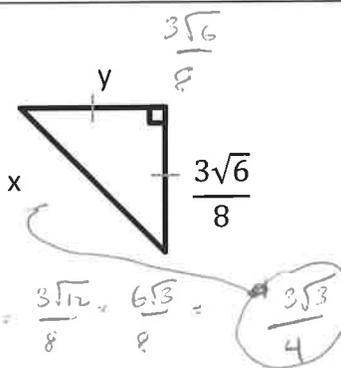
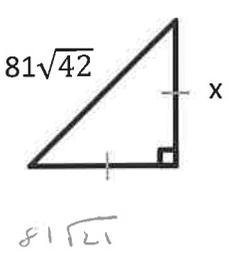
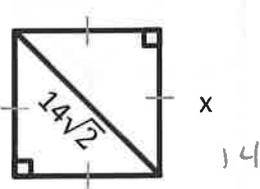
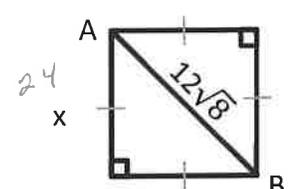
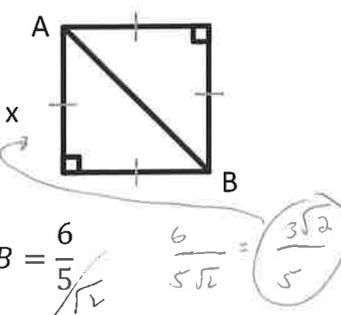
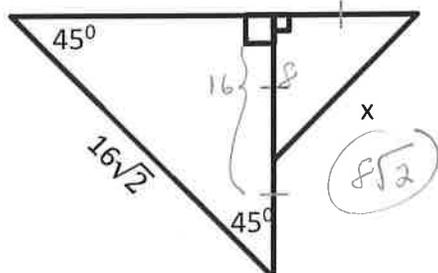
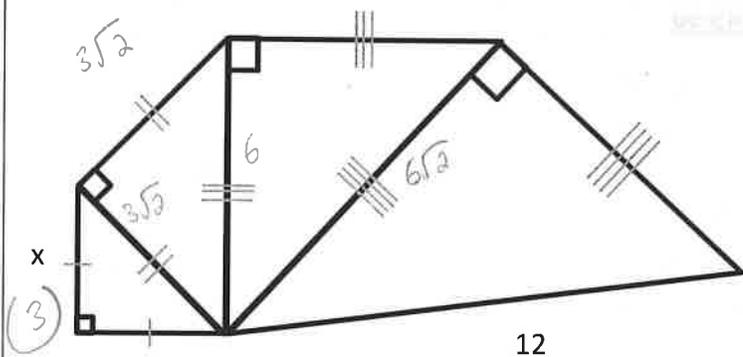


**45-45-90**

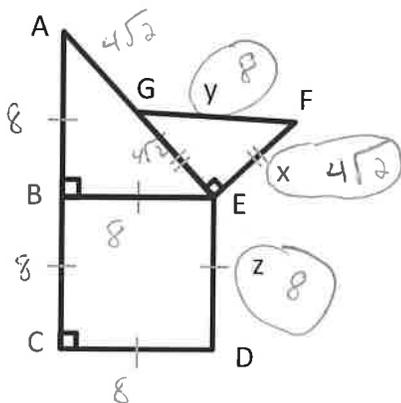
Find each indicated variable. All answers should be in simplest radical form.

		
		
 <p><math>\frac{3\sqrt{6}}{8} \cdot \sqrt{2} = \frac{3\sqrt{12}}{8} = \frac{6\sqrt{3}}{8} = \frac{3\sqrt{3}}{4}</math></p>	 <p><math>\frac{81\sqrt{42}}{\sqrt{2}} = 81\sqrt{21}</math></p>	
 <p><math>\frac{12\sqrt{8}}{\sqrt{2}} = 12\sqrt{4} = 24</math></p> <p><math>P = 24 \cdot 4 = 96</math>  <math>A = 24 \cdot 24 = 576</math></p> <p>Find x. Then find the area and the perimeter of the square.</p>	 <p><math>AB = \frac{6}{\frac{1}{\sqrt{5}}} = \frac{6\sqrt{5}}{1} = 6\sqrt{5}</math></p> <p><math>P = \frac{3\sqrt{2}}{5} \cdot 4 = \frac{12\sqrt{2}}{5}</math></p> <p>Find x. Then find the area and the perimeter of the square.</p>	 <p><math>A = \frac{3\sqrt{2}}{5} \cdot \frac{3\sqrt{2}}{5} = \frac{18}{25}</math></p>



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

$$40 + 8\sqrt{2}$$



$$A = S_{\square} + T_{\triangle BEF} + T_{\triangle AEG}$$

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

$$64 + 32 + 16$$

$$112$$

$$AE = 8\sqrt{2}$$

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

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