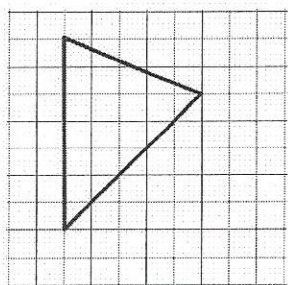
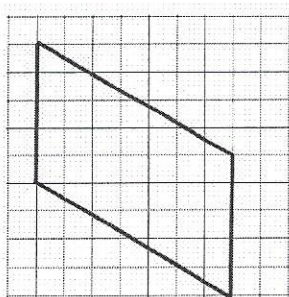


Find each area. Round to the nearest hundredth as needed.

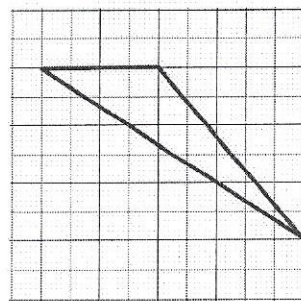
1.



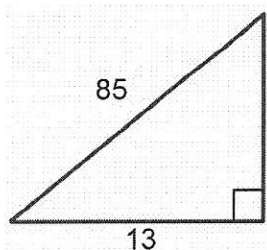
2.



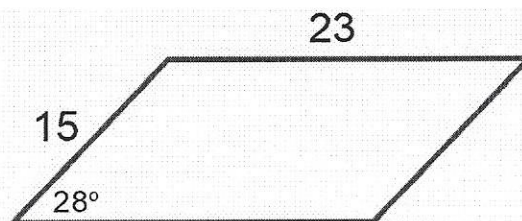
3.



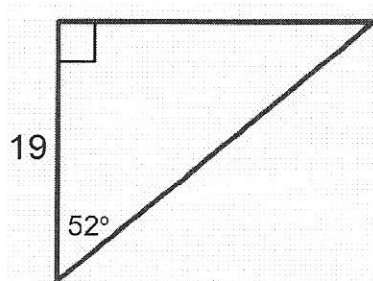
4.



5.

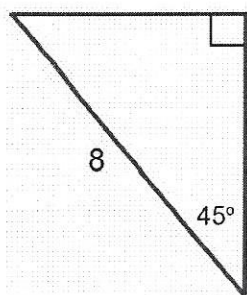


6.

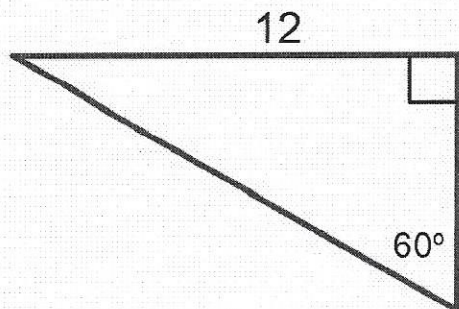


Find the EXACT area of each Special Right Triangle.

7.

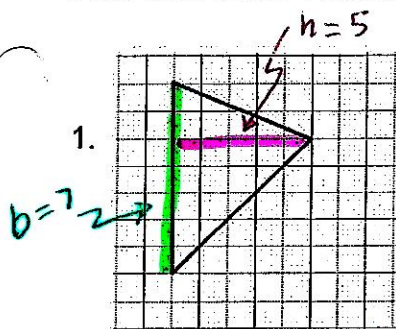


8.



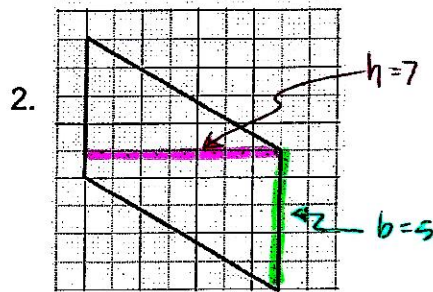
Find each area. Round to the nearest hundredth as needed.

Answers



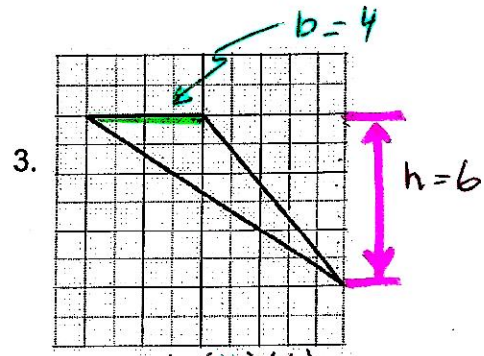
$$A = \frac{1}{2}(7)(5)$$

$$A = 17.5$$



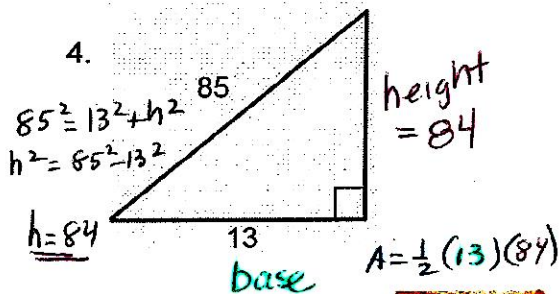
$$A = (5)(7)$$

$$A = 35$$



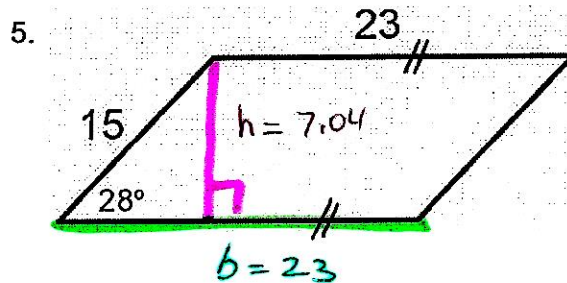
$$A = \frac{1}{2}(4)(6)$$

$$A = 12$$



$$A = \frac{1}{2}(13)(84)$$

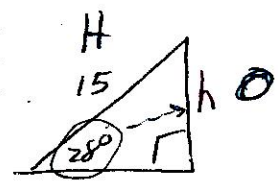
$$A = 546$$



$$A = \frac{1}{2}(23)(7.04)$$

$$A = 80.96$$

$$161.92$$

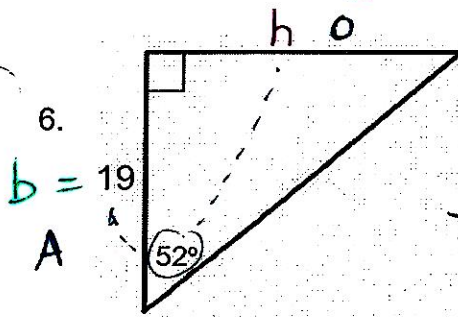


$$\text{SOHCAHTOA}$$

$$\sin 28^\circ = \frac{h}{15}$$

$$h = 15 \sin 28^\circ$$

$$h = 7.04$$



$$\text{SOHCAHTOA}$$

$$\tan 52^\circ = \frac{h}{19}$$

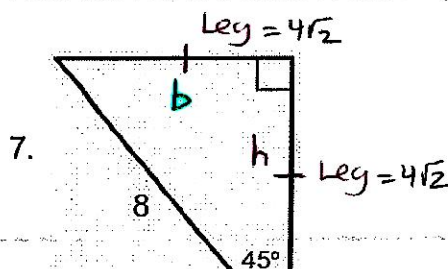
$$h = 19 \tan 52^\circ$$

$$h = 24.32$$

$$A = \frac{1}{2}(19)(24.32)$$

$$A = 231.04$$

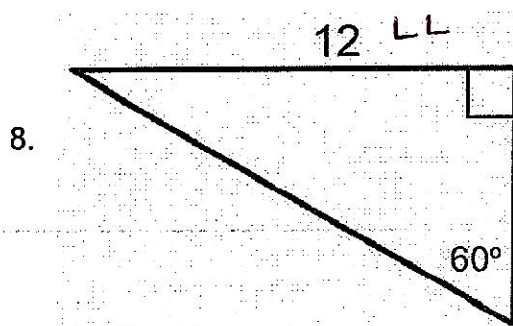
Find the EXACT area of each Special Right Triangle.



$$\text{Leg} = \frac{\text{hyp}}{\sqrt{2}} = \frac{8}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{8\sqrt{2}}{2} = 4\sqrt{2}$$

$$A = \frac{1}{2}(4\sqrt{2})(4\sqrt{2})$$

$$A = 16$$



$$SL = \frac{LL}{\sqrt{3}}$$

$$= \frac{12}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}}$$

$$= \frac{12\sqrt{3}}{3}$$

$$= 4\sqrt{3}$$

$$A = \frac{1}{2}(4\sqrt{3})(12)$$

$$A = 24\sqrt{3}$$