

5-9-14
5th Geo

Extra Credit

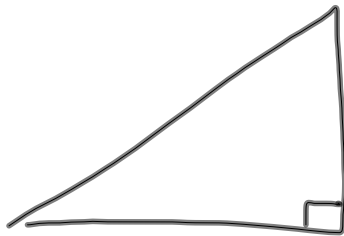
- ① 90% of 2 pts = 1.8
 - ② 70% of 2 pts = 1.4
 - ③ 100% of 2 pts = 2.0
-
- 5.2

SOL

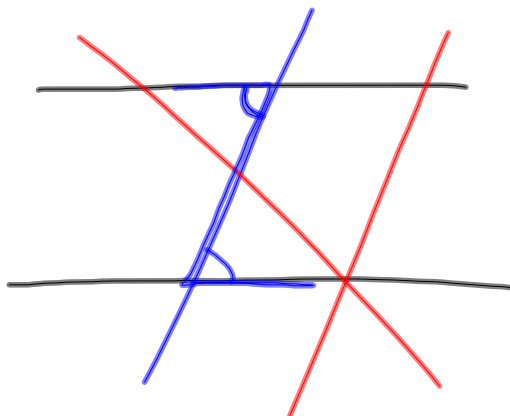
Can I have a \triangle with
measures 3, 8, 10?

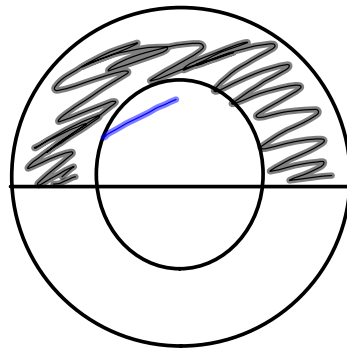
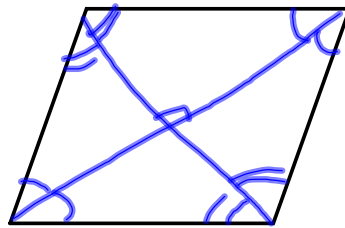
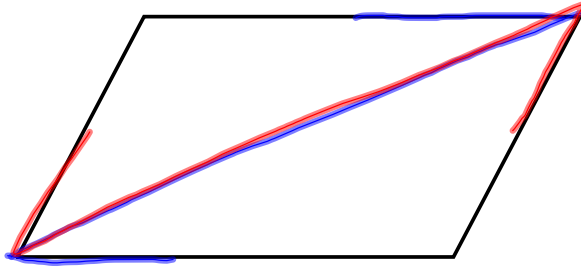
$$\begin{array}{r} - \\ 5 \\ + \\ 11 \\ \hline \end{array}$$

②



③

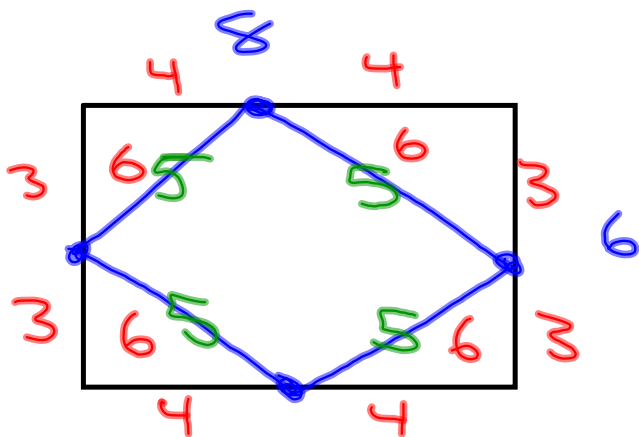




Diameter of large circle is 10 cm and small is 6 cm. Find area of shaded part.

$$\begin{aligned} & \text{Whole} - \text{hole} \\ & \pi \cdot 5^2 - \pi \cdot 3^2 \\ & 25\pi - 9\pi \\ & \frac{16\pi}{2} = 8\pi \end{aligned}$$

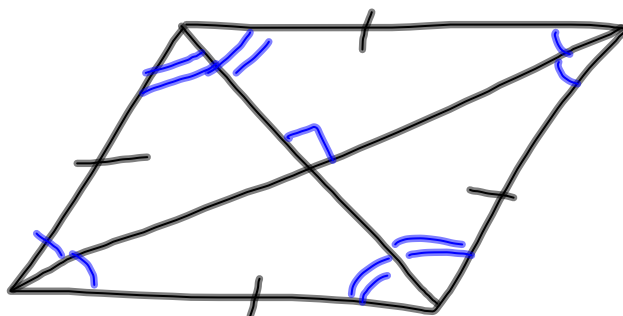
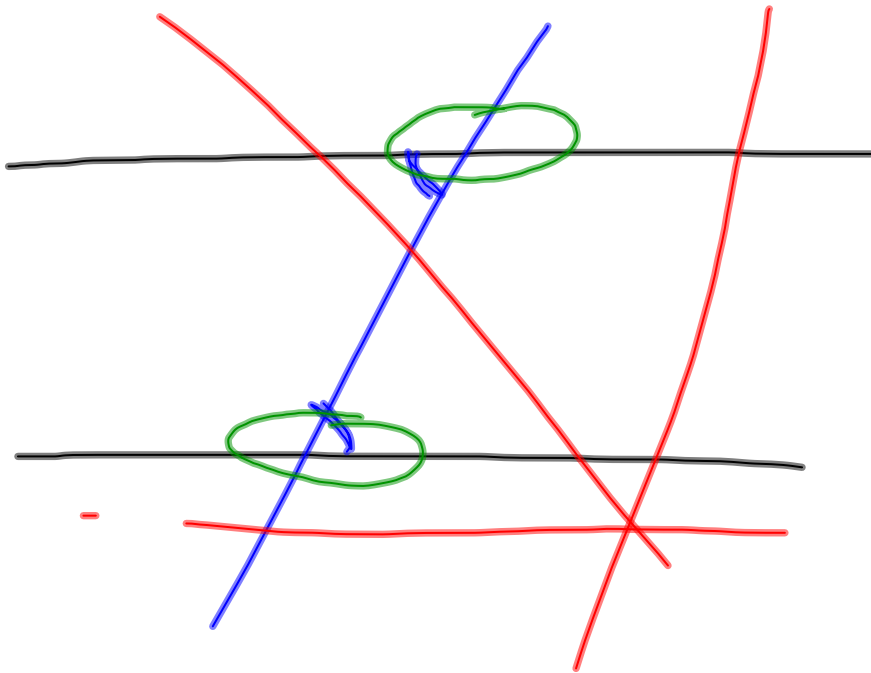
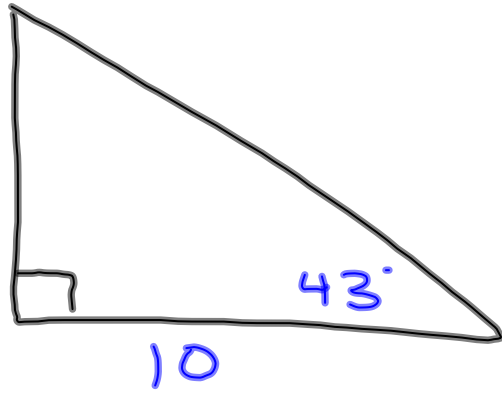
A rectangular rug is 8 cm by 6 cm. The midpoint of each side is joined to make a rhombus. What is the area of that rhombus?



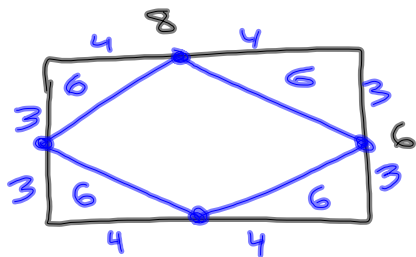
Area of Rectangle:

$$\begin{array}{r}
 48 \\
 - 24 \\
 \hline
 24
 \end{array}$$

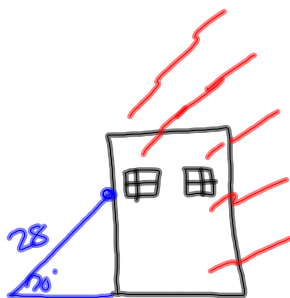
6th Geo



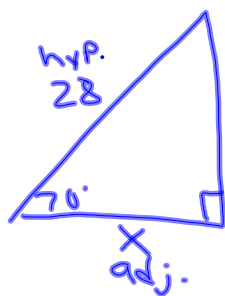
A rectangle is 6 cm long and 8 cm wide. The midpoints of each of the 4 sides are joined to form a rhombus. What is the area of the rhombus?



Whole
Area = 6×8
= 48
- 24
24



28 foot ladder is placed against the building at a 70° angle. How far away from the building is the ladder?



$$\frac{\cos 70^\circ}{1} = \frac{x}{28}$$

$$x = 28 \cdot \cos 70^\circ$$

$$x \approx 9.6$$