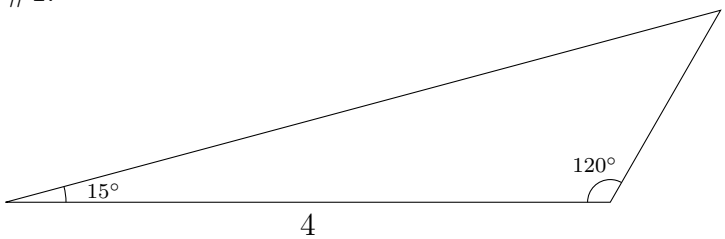
Answers for trigonometry homework

Mr. Neeman. 10B, October 7, 2011.

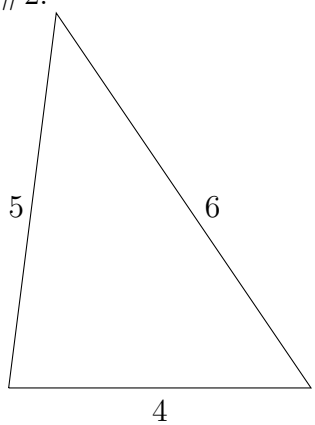
The sides and angles are given in order (the first angle is opposite the first side, etc.)

#1.



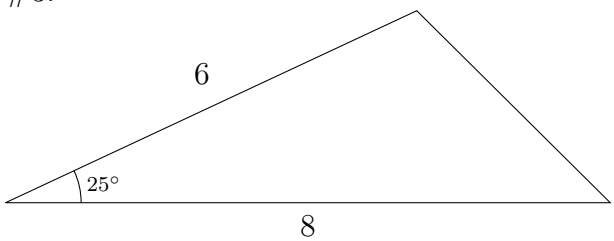
Sides: 4, 4.899, 1.464
Angles: 45°, 120°, 15°
Area: 2.536

#2.



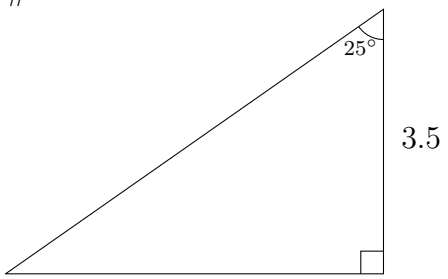
Sides: 4, 5, 6
Angles: 41.41°, 55.77°, 82.82°
Area: 9.92

#3.



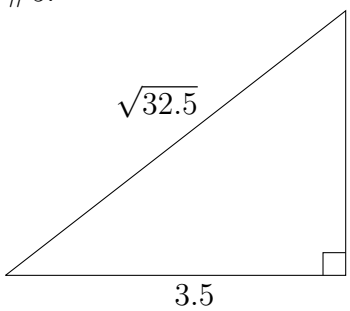
Sides: 6, 8, 3.61
Angles: 44.73°, 110.2°, 25°
Area: 10.14

#4.



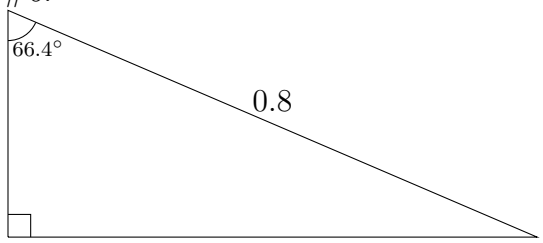
Sides: 3.862, 3.5, 1.632
Angles: 90°, 65°, 25°
Area: 2.856

#5.



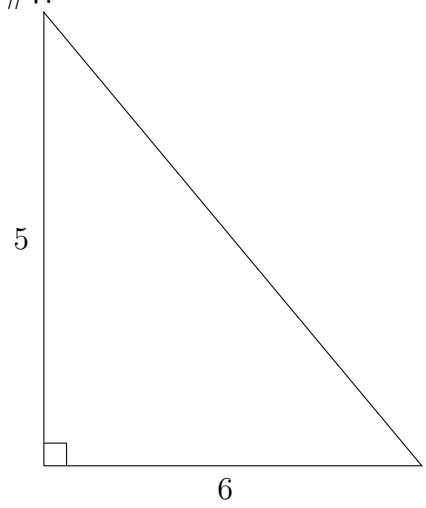
Sides: $\sqrt{32.5}$, 3.5, 4.5
Angles: 90°, 37.87°, 52.13°
Area: 7.875

#6.



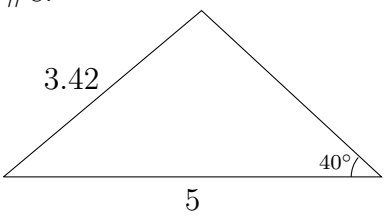
Sides: 0.8, 0.733 , 0.321
Angles: 90°, 66.4°, 23.6°
Area: 0.117

#7.



Sides: $\sqrt{61}$, 5, 6
Angles: 90°, 39.81°, 50.19°
Area: 15

#8.



Either
Sides: 5, 3.42, 2.661
Angles: 109.99°, 40°, 30.01°
Area: 4.275
This is the triangle as drawn, since it has an obtuse angle.

Or:
Sides: 5, 5, 3.420
Angles: 70°, 70°, 40°
Area: 8.035
This is also compatible with the sides and angles given.