Video Quiz 9

<u>*Instructions*</u>: Show all of your work for full credit and submit by 3:30pm Mon. April 10, 2017.

Round the area to the nearest decimal place for 1-5.

1. (1 pts) $h = 12$ m and $c = 17$ m.

2. (2 pts.) $\beta = 30°$, $a = 6$ cm, and $c = 8$ cm.

3. (2 pts.) $a = 12.7$, $b = 20.3$, and $c = 24.4$.

4. (2.5 pts.) $\alpha = 15°$, $\beta = 35°$, and $c = 4.5$ ft.
   (*Hint: Solve for γ, then use Law of Sines to find b. Next use Area formula for two sides and an included angle*)

5. (2.5 pts.) $\alpha = 72°$, $a = 38$ in, and $b = 29$ in.
   (*Hint: Use Law of sines to find β, then solve for γ. Next use Area formula for two sides and an included angle.*)