**1.** Find the exact values of $\sin(2u)$, $\cos(2u)$, and $\tan(2u)$ using the double-angle formulas.
Given $\sin(u) = \frac{-3}{5}$ and $\frac{3\pi}{2} < u < 2\pi$. [Hint: Draw a triangle](5pt)

$\sin(2u) =$_____

$\cos(2u) =$_____

$\tan(2u) =$_____

**2.** Solve the triangle with the given information: $A = 42°$, $a = 22$, & $b = 12$. Explain why there can be only one solution. (5pt)

$B =$_____        $C =$_____        $c=$_____