A, B, and C are all whole numbers. Find the value of A, B, and C given that

$$\frac{A^2+B^2}{C^2}=10$$

$$\mathbf{A} = \underline{\qquad} \qquad \mathbf{B} = \underline{\qquad} \qquad \mathbf{C} = \underline{\qquad}$$

$$\mathbf{C} = \underline{\hspace{1cm}}$$