t-distribution

1. Suppose $X_1, \ldots, X_5 \overset{\text{iid}}{\sim} N(0,1)$. Find the value c such that $\frac{c(X_1+X_2)}{\sqrt{X_3^2+X_4^2+X_5^2}}$ has a t distribution. What specific t distribution does this random variable have?