Naveen drew a right-angled triangle, \( \triangle ABC \), with an area of 14 cm\(^2\). His brother Anand drew a bigger right-angled triangle, \( \triangle DEF \), with side lengths four times the lengths of the sides in \( \triangle ABC \). In particular, \( DE = 4 \times AB \), \( EF = 4 \times BC \), and \( DF = 4 \times AC \).

Calculate the area of \( \triangle DEF \).