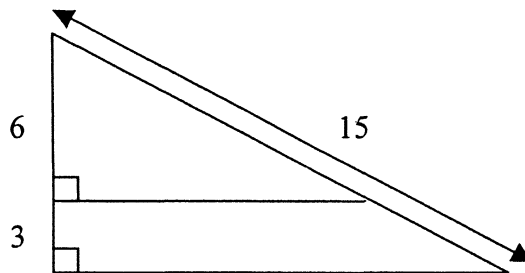ANSWERS

A)_____ sq units
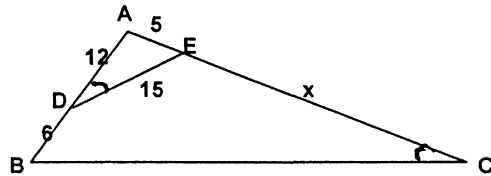
B)_____

C)_____

A)   In the figure what is the area of the trapezoid?

6

15

3

B)   If $m\angle ACE = m\angle ADE$ and $EC = x$, express the exact value of x as a decimal.

A 5

12

E

D   15

x

6

B   C

C)   The ratio of the perimeters of 2 regular hexagons is 4:3 . If the smaller diagonal of the smaller hexagon has length $4\sqrt{3}$ find the sum of the areas of the two hexagons in the simplified radical form $\dfrac{A\sqrt{B}}{C}$.