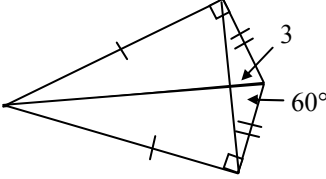
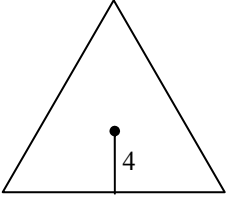
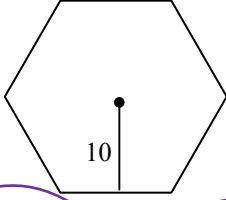
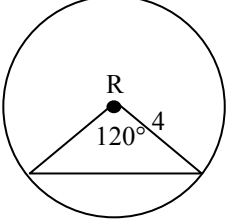
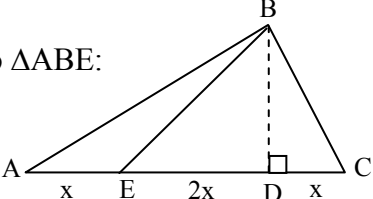


What are we learning in the Chapter 11?

****Please indicate how you feel about the required topics in this unit. ****

Objective	Example	Answer	Rating
Understand the concept of area		168	<input type="radio"/> <input type="radio"/> <input type="radio"/>
Understand and apply area of rectangles and squares	Find the area of a rectangle whose diagonal is $2\sqrt{17}$ and height is 4.	$8\sqrt{13}$	<input type="radio"/> <input type="radio"/> <input type="radio"/>
Find the areas of triangles	Find the area of the triangle: 	$\frac{35\sqrt{3}}{2}$	<input type="radio"/> <input type="radio"/> <input type="radio"/>
Understand and apply area of parallelograms	Find the area of the parallelogram: Determine the area of the parallelogram below with perimeter 256. 	$56\sqrt{2}$ 1,400	<input type="radio"/> <input type="radio"/> <input type="radio"/>
Understand and apply area of trapezoids	The consecutive sides of an isosceles trapezoid are in a ratio of 4:10:20:10 and the trapezoid's perimeter is 88. Find the area of the trapezoid.	288	<input type="radio"/> <input type="radio"/> <input type="radio"/>

Understand and apply area of kites	Find the area of the kite: 	$36\sqrt{3}$	☺ ☹ ☹
Find the area of an equilateral triangle	Find the area of the equilateral triangle: 	$48\sqrt{3}$	☺ ☹ ☹
Find the area of a regular polygon	Find the area of the regular hexagon: 	$200\sqrt{3}$	☺ ☹ ☹
Find the area of sectors and segments	Find the area of the segment at right in circle R: 	$\frac{16\pi}{3} - 4\sqrt{3}$	☺ ☹ ☹
Find the ratio of areas by calculating and comparing the areas	Find the ratio of $\triangle ABC$ to $\triangle ABE$: 	4:1	☺ ☹ ☹
Apply Hero's Formula to find the area of a triangle	Find the area of a triangle with side lengths 6, 7, 12.	$\frac{5\sqrt{143}}{4}$	☺ ☹ ☹
Apply Brahmagupta's Formula	Find the area of an inscribed quadrilateral with side lengths 10, 14, 8, and 20	144	☺ ☹ ☹