Lesson 10.3 Assignment   Name:_____
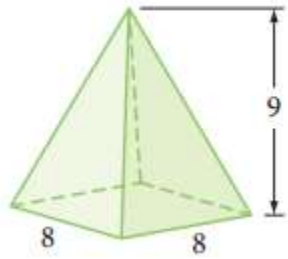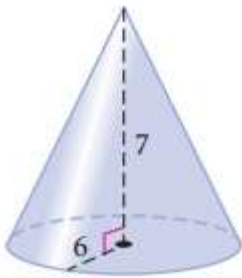
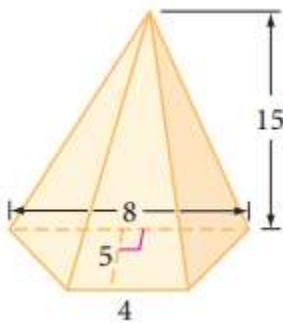**Find the volume of each solid. All measurements are in centimeters.**
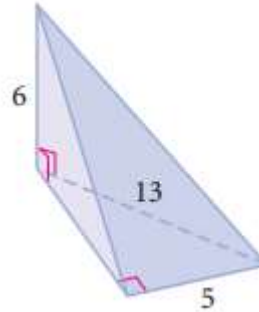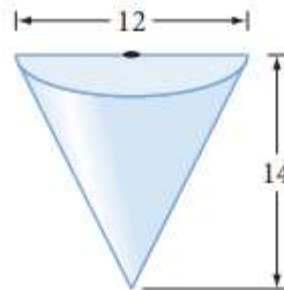
1) Square pyramid

2) Cone

3) Trapezoidal pyramid

4) Triangular pyramid

5) Semicircular cone

6) Use the information about the base and height of each solid to find the volume. All measurements are given in centimeters.

Information about base of solid	Height of solid	Triangular pyramid	Rectangular pyramid	Trapezoidal pyramid	Cone
$b = 6, b_2 = 7,$ $h = 6, r = 3$	$H = 20$	a. $V =$	d. $V =$	g. $V =$	j. $V =$
$b = 9, b_2 = 22,$ $h = 8, r = 6$	$H = 20$	b. $V =$	e. $V =$	h. $V =$	k. $V =$
$b = 13, b_2 = 29,$ $h = 17, r = 8$	$H = 24$	c. $V =$	f. $V =$	i. $V =$	l. $V =$

7) A landscape architect is building a stone retaining wall, as sketched. How many cubic feet of stone will she need?

18 in.

120 in.

31 in.

48 in.