Dimensions - length, area and volume

Name:	Class:	Date:

Mark	/ 3	%

1) Identify whether each expression can be used to represent length, area or volume, using **y** for **yes** and **n** for **no**.
Note that the letters a,b,c and d represent lengths.

	Length	**Area**	**Volume**
ab			
a + b + c + d			
acd			

[1]

2) Identify whether each expression can be used to represent length, area or volume, using **y** for **yes** and **n** for **no**.
Note that the letters a,b,c and d represent lengths and 2 and 3 are numbers that have no dimensions.

	Length	**Area**	**Volume**
3ab			
2b + 3c + d			
ab(c+d)			

[1]

3) Identify whether each expression can be used to represent length, area or volume, using **y** for **yes** and **n** for **no**.
Note that the letters a,b,c and d represent lengths. π, 2 and 3 are numbers that have no dimensions.

	Length	**Area**	**Volume**
πb^3			
$ad^2 + \pi ad^2$			
πa			

[1]

Solutions for the assessment Dimensions - length, area and volume

1) ab is area, a + b + c + d is length, acd is volume,

2) 3ab is area, 2b + 3c + d is length, ab(c + d) is volume,

3) πb^3 is volume, $ad^2 + \pi ad^2$ is area, πa is length,