Name :	Math 081	Homework #3
1) Find the value of the	e formula using the numbers given	[3]
a) $T = 11(z + a)$	when $a = 2$ and $z = 7$	
b) $L = 4(3c + b)$	when $c = -5$ and $b = -6$	
c) $T = 4(5y + 3b - 3b)$	+ 3x) when $x = -3$ , $y = 5$ and $b = 2$	
<b>2)</b> The circumference of	of a circle can be found using the formula	[1]
$C = 2\pi r$ or	$C = \pi d$	
Find the circumference place. (for $\pi$ use 3.14)	e of a circle with radius 8 cm. Leave your answer to one decimal	
<b>3)</b> The area of the sector	or of a circle can be found using the formula	[1]
$A = \frac{x}{360} \times \pi r^2$	-	
Find the area of the sec answer to one decimal	etor of a circle with radius 6 cm and (angle) $x = 90$ . Leave your place.	

4) The surface area of a cuboid can be found using the formula A = 2lh + 2wh + 2lw. [1] Find the surface area of a cuboid with length 10 cm, width 7 cm, and height 5 cm.

5) The volume of a cone can be found using the formula  $V = \frac{1}{3}\pi r^2 h$ . Find the volume of a [1] cone with radius 6 meters and height 3 meters. Round your answer to nearest whole number.

6) The formula to convert Fahrenheit to Celsius is  $C = \frac{5}{9}(F - 32)$ . Find the temperature in [1] Celsius if the Fahrenheit reading is 13°F. Round your answer to nearest whole number.

7) The compound interest of a bank account can be found using the [1] formula  $A = P(1 + \frac{R}{100})^n$ . Find the money made (A), when P = 152, R = 9 and n = 7. Round your answer to two decimal places where necessary.