## TAURANGA GIRLS COLLEGE YEAR 10 HOMEWORK SHEET Series E Sheet 3

TGC Values: Respect, Participation, Pride

## **KEY SKILLS:**

- Write the number fifty and three tenths as a decimal
- 2. Round 56.372 to the nearest *tenth*
- 3. Write fifty thousandths a decimal
- 4. Complete this equivalent fraction  $\frac{5}{6} = \frac{1}{24}$
- **5.** Round  $\sqrt{150}$  to 1dp.
- What is the ratio of vowels to consonants in the word TELEPHONE
- 7. Divide \$85 in the ratio 2:3
- 8. What is the metric unit for energy?
- **9.** 2.4m = \_\_\_\_ mm
- **10.** What is the probability of rolling a one or a two on a die?

Name: \_\_\_\_\_

Due Date:



- **11.**  $v = 3(a c)^2$ Find the value of v if a = 2 and c = -5
- **12.** Write the rule linking x and y for this table:

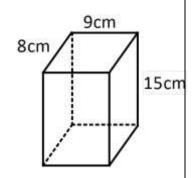
х	1	2	3	4
У	3	9	15	21

y = .....

- **13.** Expand 5(2a + 7c) =
- 14. Simplify:
- **a)** 3c x 5c =
- **b)** 3c + 5d + 7c + d
- c) c x c x c x c x c =
- **d)**  $\frac{12c}{4c} =$

## **15. a)**Name this shape

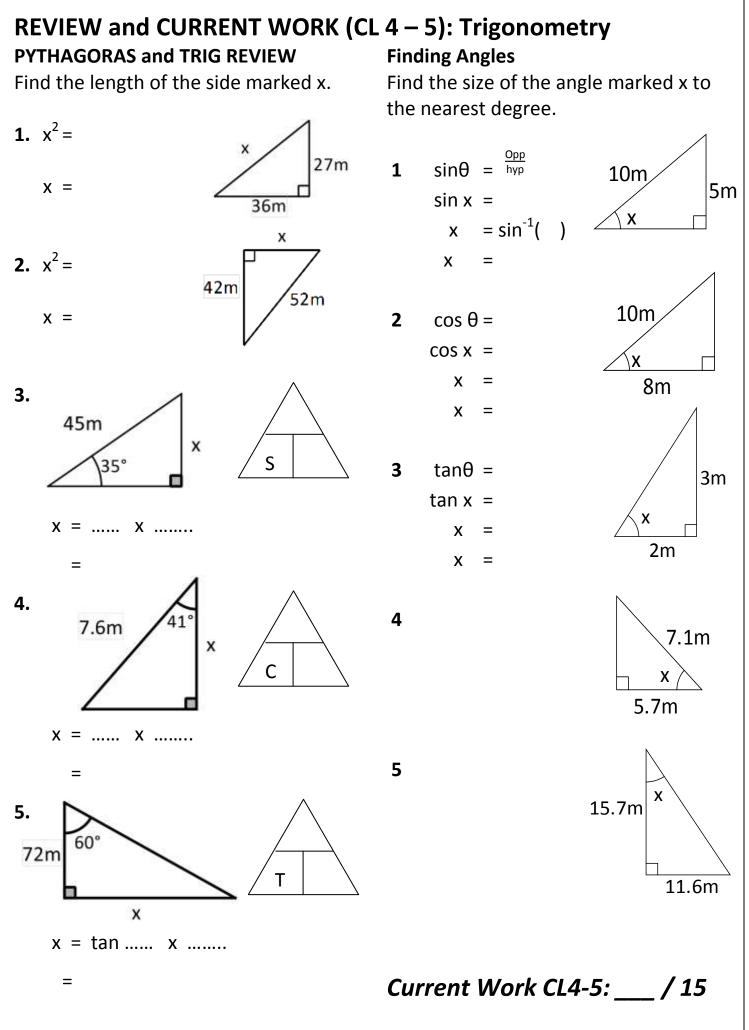
**b)** Find it's volume



c) Find it's surface area

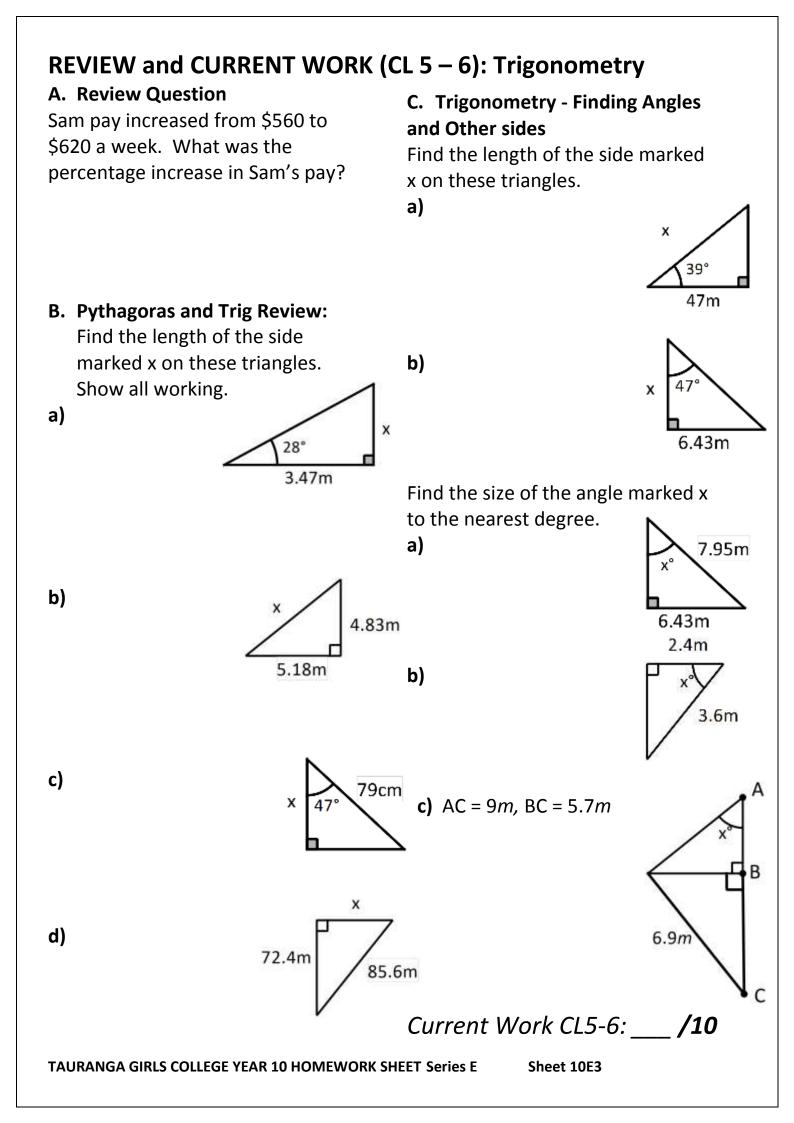
Key Skills Total: \_\_\_\_ / 20

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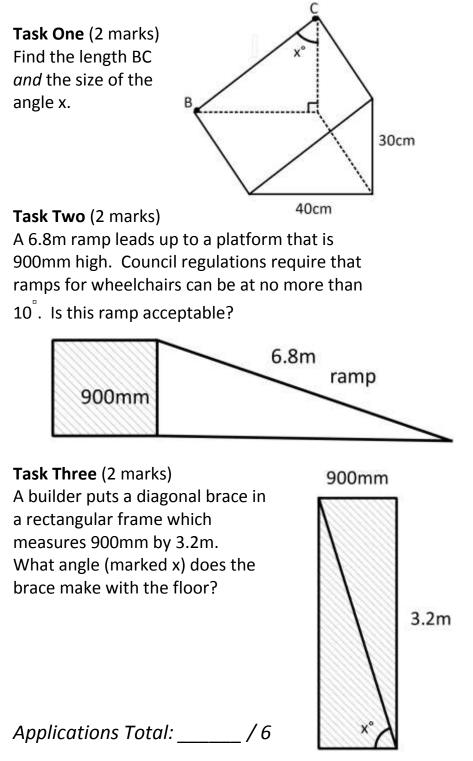
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## **APPLICATIONS and TASKS**

*For each of these tasks you must show your working.* Set out your solution in a clear and ordered manner. It is a good idea to draw a sketch for each situation. **Read the question carefully.** 



**Overall** Results:

KS	CL4-5	CL5-6	APP	Parent Signatur
22	15	15	6	

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