

Homework 9

Due in:

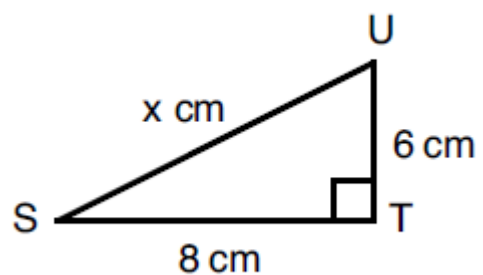
1. Evaluate $25^{\frac{1}{2}}$	3. Estimate the answer to $\frac{37+18}{19.1-9.7}$
2. 60% of $\frac{4}{7} \times 28$ (show working)	4. What is the inverse function for $x \rightarrow 3x + 1$?

5. Is 243 in this sequence?
You must show evidence .
4, 7, 10, 13, 16, . . .

8. If you reflect the point (3,4)
in the x axis, what are its new
coordinates?

6. Solve $4x + 6 < 5x - 3$

9. What is the value of x?

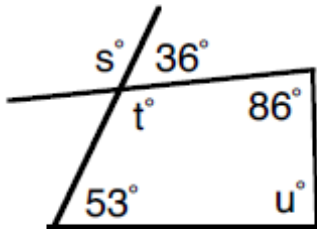


7. Substitute $a = -3$ and $b=6$
into

$$2a^2 + 3b$$

10. Expand and simplify;
 $(x + 2)(x + 5)$

11.
s =
t =
u =



(show working)

14. If you rolled a 6 faced die 36 times, how many 6's would you expect to get?

12. What is the interior angle of a regular pentagon?

15. Increase 120 by 15%

13. A book measures 18cm to the nearest centimetre. Write the error interval.

16. What is $\frac{2}{9}$ of $\frac{3}{5}$ 45?

17. What are the gradient and the coordinates of the y intercept of the graph
 $y = 2x + 3$

19. Solve the equation;
 $2x + 6 = 20$

18. Alice and Ben share some money in the ratio 3:5. Alice receives £27. How much does Ben receive?

20. A rectangle 3cm by 5cm is enlarged by a scale factor of 2. What is the perimeter of the enlarged shape?

Total:

