## Homework 12

Due in:

Q2: You must use the cross-cancelling technique.

1. Evaluate 3 <sup>-1</sup>	3. Estimate the answer to 84.91+12.65 . A.7×2.8 Please show your intermediate rounding.
$2.\frac{3}{4} \times \frac{5}{6}$ (show working)	4. What is the inverse function for $x \to \frac{x}{2} + 3$

5. Is 225 in this sequence? Give a reason for your answer. 2, 8, 18, 32, 50,	8. If you translate the point $(1,7)$ by $\binom{3}{-2}$ , what are its new coordinates?
6. Solve 5x + 2 < 7x - 4	9. What is the value of x?  8 cm H 15 cm
7. Substitute a = ¾ and b = -2 into  3a² - 5b	10 Expand and simplify; (x + 6) <sup>2</sup>

11. r =	14. You must show your
S =	working out.
t =	0.25 x 16
( –	0.20 X 10
\ ./	
\46°/	
1° V 2°	
t° <b>X</b> s°	
∕r° <b>\</b>	
/ \	
/-l	
(show working)	
12. What is the interior angle	15. What is £180 increased
of a regular decagon?	by 35%?
42. A long other of with hour	2 4
13. A length of ribbon	16. What is $\frac{3}{7}$ of $\frac{4}{7}$ of 49?
measures 15m with a 5%	10. 11.10.10
error interval. Write an	
inequality to show all the	
possible lengths.	
	1

17. What are the gradient and	
the coordinates of the y	
intercept of the graph	
y= 4x - 7	

19. Solve the equation; -x - 4 = -3

18. Alice and Ben share some money in the ratio 3:5. Ben receives £55. How much does Alice receive?

20 A rectangle 7cm by 4cm is enlarged by a scale factor of 3. What is the perimeter of the enlarged shape?

## Total:

