

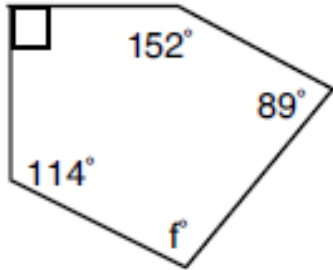
Homework 10

Due in:

1. Evaluate 2^6	3. Estimate the answer to $\frac{14.1 + 9.5}{2.2 \times 4.8}$
2. $\frac{3}{8} \times \frac{4}{9}$ (show working)	4. What is the inverse function for $x \rightarrow 2x - 5$

<p>5. What is the nth term of this sequence? 1, 4, 9, 16, 25, . . .</p>	<p>8. If you reflect the point (2,5) in the y axis, what are its new coordinates?</p>
<p>6. Solve $2x + 10 = 3x - 1$</p>	<p>9. Showing a complete written method calculate, $567 \div 9$</p>
<p>7. Substitute $a = -3$ and $b = -2$ into</p> $2a^2 + 3b$	<p>10. Area of a triangle is given by $\frac{1}{2} \times \text{base} \times \text{height}$. If a triangle has a base of 7cm, and a height of 13 cm, what is its area?</p>

11.
f =



(show working)

14. If you rolled a 4 faced die, numbered 1 to 4, 36 times, how many 1's would you expect to get?

12. What is the exterior angle of a regular hexagon?

15. Increase 250 by 35%

13. A bag contains 3 red, 7 green and 4 blue counters, a counter is taken at random from the bag, what is the probability it is not red?

16. What is $\frac{2}{9}$ of $\frac{3}{8}$ of 48?

<p>17. What are the gradient and the coordinates of the y intercept of the graph</p> $y = 4x - 5$	<p>19. What is the width of a rectangle which has an area of 36 cm^2, and a length of 9 cm. (show working)</p>
<p>18. Divide £48 in the ratio 5:7</p>	<p>20. The mean of 4 numbers is 8. Here are 3 of the numbers, what is the 4th number? 15, 7, and 4.</p>

Total:

