

**YEAR 9 MATHEMATICS  
MODULE 2**

1. What is the value of  $13^2 - 5^2$ ?
  
2. Correct 0.3748 to two significant figures.
  
3. Find the value of  $x$ , if  $\frac{6}{x-1} = 2$  .
  
4. What is the value of  $x$  in:  $x + 2y = 5$  and  $x - 2y = -1$  ?
  
5. If  $\frac{5}{f} = 4 - \frac{7}{f}$ , what is the value of  $f$  ?
  
6. The bearing of P from Q is  $270^\circ$ . What is the bearing of Q from P?
  
7. Find  $x$  if,  $\frac{3}{x+5} = \frac{5}{3+x}$  .
  
8. Solve the following simultaneous equations:  $x = y + 1$  and  $x + 2y = 7$  .
  
9. One-quarter of  $y$  is equal to one and a half. What is the value of  $y$  ?
  
10. A man has  $x$  mangoes. He sells 2 of them. How many mangoes does he have left?



