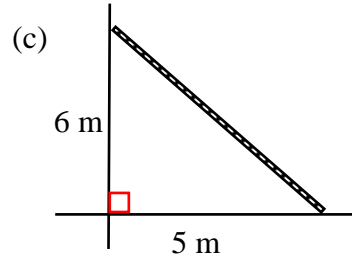
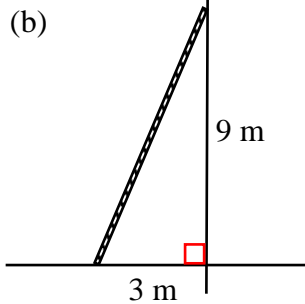
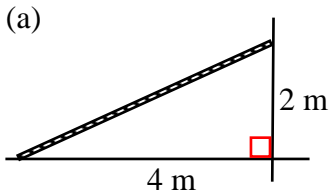


National 4 Homework Exercise 16 Gradient

1. Complete all calculations below **without a calculator**. Show all working!

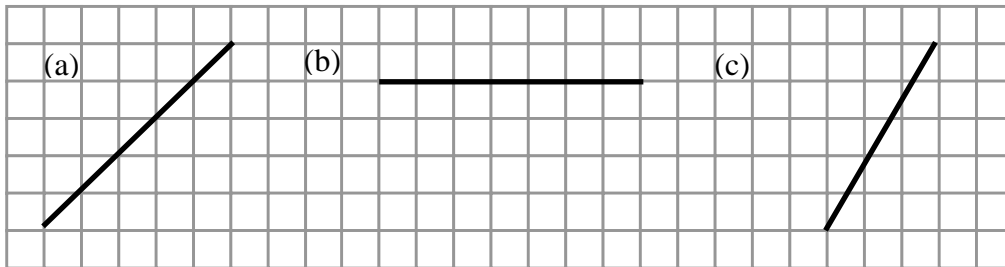
- (a) $6.17 - 2.3$ (b) 75% of £1200 (c) Write $\frac{7}{1000}$ as a decimal [4]

2. Calculate the gradient of each ladder below:-



[9]

3. Calculate the gradient of each line below:-



[9]

4. (a) Draw a set of axes, plot the points A(-4,-3), B(3,-1) and C(4,4).
 (b) Find the gradient of the line AB.
 (c) Plot a fourth point D so that the shape ABCD is a parallelogram. Write down the coordinates of point D. [6]

5. Joyce is going on holiday. She must be at the airport by 1.20 pm. It takes her 4 hours 30 minutes to travel from home to the airport. What is the latest time that she should leave home for the airport?



[3]

6. 60 workers in a factory voted on a new pay deal. 42 of them voted to accept the deal. What percentage voted to accept the deal?



[3]