



GCSE  
KS3KS4  
Test

2016 - Summer revision

Name.....Surname..... Year.....

For all the questions you must show all your working out.

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1. Solve the simultaneous equations :

$$3x + 2y = 4$$

$$4x + 5y = 17$$

(4)

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2. Work out the Lowest Common Multiple of 60 and 96.

(3)

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3. Solve this linear equation :

$$2(3n - 1) - (-n - 2) = n$$

(3)

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4. This is the equation of a line  $2x - 3y = 5$ . Find the gradient  $m$  and  $y$ -intercept  $c$ .

(4)

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5. Daniel leaves his house at 08:10.

He drives 87 miles to work. He drives at an average speed of 36 miles per hour.

At what time does Daniel arrive at work?

(3)

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6.  $ABC$  is a right-angled triangle ( $C$  is a right angle).  $AB = 10\text{m}$ ,  $AC = 6\text{m}$ .

Calculate the length of  $BC$ .

(3)

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Please try to write how much you can for every single question.

Every marks are very important for you.

Good luck!

*Adrian Harappa*