



Mental Computation

Year 10A Mathematics

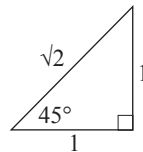
End Term 3

Mental computation (End Term 3)

- 1 Spell Parabola
- 2 What is the general equation of a parabola?
- 3 What is the general equation of a hyperbola?
- 4 What is the general equation of a circle?

Given the numbers: 1, 2, 2, 3, 4, 5, 6

- 5 What is the median?
- 6 What is the lower quartile?
- 7 In the triangle, what is $\sin 45^\circ$?
- 8 Two sides of a right-angled triangle are 3 and 4, what is the hypotenuse?
- 9 What is the Simple Interest Formula?
- 10 Is $x - 1$ a factor of $x^3 + x^2 - 2x - 2$?



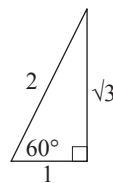
Sample 1

Mental computation (End Term 3)

- 1 Spell Exponential
- 2 What is the general equation of a parabola?
- 3 What is the general equation of a hyperbola?
- 4 What is the general equation of a circle?

Given the numbers: 1, 1, 3, 3, 4, 5, 6, 6

- 5 What is the median?
- 6 What is the upper quartile?
- 7 In the triangle, what is $\cos 60^\circ$?
- 8 Two sides of a right-angled triangle are 1 and 2, what is the hypotenuse?
- 9 What is the Compound Interest Formula?
- 10 Is $x + 1$ a factor of $2x^3 + x^2 - 2x - 1$?



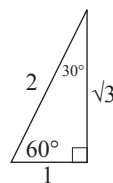
Sample 2

Mental computation (End Term 3)

- 1 Spell Hyperbola
- 2 What is the general equation of a parabola?
- 3 What is the general equation of a hyperbola?
- 4 What is the general equation of a circle?

Given the numbers: 1, 2, 3, 3, 3, 5, 5, 6, 6

- 5 What is the median?
- 6 What is the lower quartile?
- 7 In the triangle, what is $\sin 30^\circ$?
- 8 Two sides of a right-angled triangle are 2 and 2, what is the hypotenuse?
- 9 What is the Compound Interest Formula?
- 10 Is $x - 1$ a factor of $x^3 + 2x^2 - 2x + 1$?



Sample 3