

Marks are indicated in brackets after each question number

2014 Paper 2 Question 11, (3)

$$s = ut + \frac{1}{2}at^2$$

$$s - ut = \frac{1}{2}at^2$$

$$2s - 2ut = at^2$$

$$\frac{2s - 2ut}{t^2}$$

2016 Paper 2 Question 12, (3)

$$L = \sqrt{4kt - p}$$

$$L^2 = 4kt - p$$

$$L^2 + p = 4kt$$

$$\frac{L^2 + p}{4t} = k$$

2017 Paper 1 Question 10, (3)

$$F = \frac{t^2 + 4b}{c}$$

$$Fc = t^2 + 4b$$

$$Fc - t^2 = 4b$$

$$b = \frac{Fc - t^2}{4}$$

2018 Paper 1 Question 14 (3)

$$y = g\sqrt{x} + h$$

$$g\sqrt{x} = y - h$$

$$\sqrt{x} = \frac{y - h}{g}$$

$$x = \left(\frac{y - h}{g}\right)^2$$

2019 Paper 1 Question 7 (3)

$$A = \frac{1}{2}h(x + y)$$

$$2A = h(x + y)$$

$$2A = hx + hy$$

$$2A - hy = hx$$

$$x = \frac{2A - hy}{h}$$