



Instructor: Dr. R.A.G. Seely  
(Sept 2019)

Test 1  
(version A)

## Algebra & Functions (Maths 201-016)

### Answers

1. They equal:

- |          |                   |        |                   |
|----------|-------------------|--------|-------------------|
| (a) 3    | (b) 50            | (c) 3  | (d) $\frac{3}{2}$ |
| (e) $-7$ | (f) $\frac{8}{9}$ | (g) 18 | (h) $\frac{6}{5}$ |

2. Expansions:

- |                       |                       |                   |
|-----------------------|-----------------------|-------------------|
| (a) $25x^2 - 30x + 9$ | (b) $25x^2 - 9$       | (c) $16x^2 - 24x$ |
| (d) $4x^2 - 33x + 8$  | (e) $5x^2 - 28x + 27$ |                   |

3. Solutions:

- |             |               |                |
|-------------|---------------|----------------|
| (a) $x = 2$ | (b) $x = 3/5$ | (c) $x = 15/2$ |
|-------------|---------------|----------------|