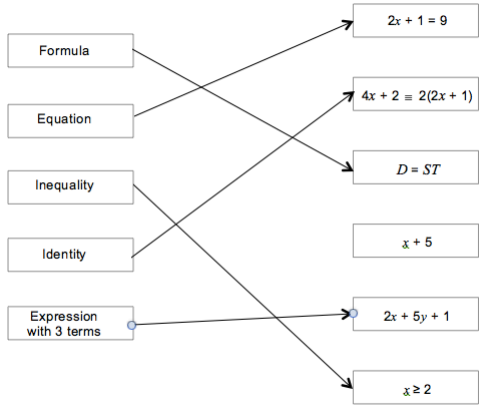


# Topic Test 1 Mark Scheme

## Algebra recap and extension - Foundation

| Q    | Answer   | Mark | Comments                                    |
|------|--|------|---|
| 1    |  | B3   | B2 for 3 correct<br>B1 for 2 correct        |
| 2    | $20x + 15y$  | B1   | oe  |
| 3    | $4n - 2$   | B2   | B1 for $4n (\pm a)$                         |
| 4(a) | $2(2x - 3)$  | B1   |   |
| 4(b) | $(x - 3)(x - 4)$   | B2   | B1 for $(x \pm a)(x \pm b)$ where $ab = 12$ |
| 5    | $8t + w$   | B2   | B1 for each term                            |
| 6    | $6x - 2 - x - 2$   | M1   | Allow one error                             |
|      | $6x - 2 - x - 2$   | A1   | Fully correct                               |
|      | $y = 60$   | A1ft | ft their 4-terms expression                 |
| 7    | $3x = 2 - 14$  | M1   |   |
|      | $-4$   | A1   |   |

| Q | Answer  | Mark | Comments          |
|---|---|------|-------------------|
| 8 | $2x + 8$                                      | B1   |                   |
|   | $5x - \text{their } 2x = \text{their } 8 - 1$ | M1   |                   |
|   | $\frac{7}{3}$                                 | A1ft | ft their $2x + 8$ |
| 9 | [0.2, 0.4]                                    | B1   | oe                |