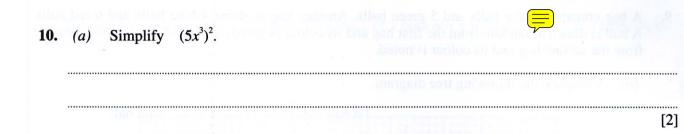
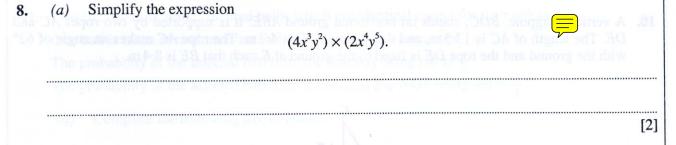


| 17. | (a)        | Simplify <b>each</b> of the following.             |    |      |
|-----|------------|----------------------------------------------------|----|------|
|     |            | (i) $3x^{\frac{3}{2}} \times 2x^{\frac{5}{2}}$     |    |      |
|     |            |                                                    |    |      |
|     |            |                                                    |    | •••• |
|     |            |                                                    |    | •••• |
|     |            | $24x^{\frac{7}{2}}$                                | [2 | 2]   |
|     |            | (ii) $\frac{24x^{\frac{7}{2}}}{6x^{-\frac{3}{2}}}$ |    |      |
|     |            |                                                    |    |      |
|     |            |                                                    |    |      |
|     |            | <u>s</u>                                           |    |      |
|     | (1)        | Express $25^{-\frac{1}{2}}$ as a fraction.         |    | 2]   |
|     | <i>(b)</i> | Express 23 2 as a fraction.                        |    |      |
|     |            |                                                    |    |      |
|     |            |                                                    |    |      |
|     |            |                                                    |    |      |
|     |            |                                                    |    | 2    |

## 15. Simplify each of the following. $(b) \qquad \frac{24 \times a^{\frac{5}{2}} \times a^{-\frac{1}{2}}}{8 \times a^4}$ .....





|                |      | <del></del>        |    |  |
|----------------|------|--------------------|----|--|
| $\frac{13}{3}$ | \    |                    |    |  |
|                |      |                    |    |  |
|                |      |                    | 77 |  |
|                | <br> |                    |    |  |
|                |      | 1 1 = 1/4 . 700 mi |    |  |

