

Introduction to algebra - Worksheet 1

If the value of  $a = 2$ ,  $b = 3$  and  $c = 4$ , evaluate the following:

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|--|--|
| 1. $a^2 = 4$                           | 2. $ab^3 = 54$                               |
| 3. $2a^2c = 32$                        | 4. $5a^2 + 6b^2 = 74$                        |
| 5. $a^2 + c^2 = 20$                    | 6. $\frac{3a^4}{c^2} = 3$                    |
| 7. $\frac{c^5}{ab^3} = \frac{512}{27}$ | 8. $\frac{6a^3 + 4b^2}{2c^2} = \frac{21}{8}$ |

Introduction to algebra - Worksheet 2

Simplify the following where appropriate:

