

EXERCISES IN ALGEBRA

For Fifth, Public School Leaving and Primary Classes.

Coefficient, Exponent, and Root, in Simple and Compound
Expressions.

EXERCISE I.

If $a=5$, $b=3$, $c=2$, $x=4$, $y=1$, $z=0$, find the
values of

A.

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|---------------|---------------|---------------|---------------|----------------|
| (1) $7a$. | (2) $13b$. | (3) $17c$. | (4) $19x$. | (5) $25y$. |
| (6) $15z$. | (7) $5ab$. | (8) $8bc$. | (9) $9cx$. | (10) $16xy$. |
| (11) $23xz$. | (12) $37yz$. | (13) $11xa$. | (14) $14ax$. | (15) abc . |
| (16) $b cx$. | (17) $3xyz$. | (18) $4axy$. | (19) $7abx$. | (20) $13bcx$. |

B.

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|-----------------|--------------|-----------------|-----------------|-----------------|
| (1) a^2 . | (2) x^2 . | (3) y^2 . | (4) z^2 . | (5) $5a^3$. |
| (6) y^3 . | (7) $5a^3$. | (8) $7c^3$. | (9) $9x^3$. | (10) $15y^3$. |
| (11) $18z^3$. | (12) b^4 . | (13) a^2b^3 . | (14) b^3c^4 . | (15) x^2a^3 . |
| (16) c^4y^5 . | (17) c^b . | (18) a^x . | (19) $5b^c$. | (20) $12ax^b$. |

C.

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|---------------------------|------------------------|-------------------------|------------------------|-----------------------------|
| (1) $\frac{1}{2}ac$. | (2) $\frac{2}{3}abc$. | (3) $\frac{7}{9}b^2a$. | (4) $\frac{3}{4}c^5$. | (5) $\frac{9}{10}ax^2$. |
| (6) $\frac{11}{12}y^2z$. | (7) 7^b . | (8) $6a$. | (9) $19y$. | (10) $\frac{8}{15}a^2b^3$. |