

EXERCISE XXXVIII. Page 221.

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| 1. (a) 70 cm. | 5. 175 c.cm. |
| (b) 35 cm. | 6. $63\frac{1}{2}$ cm. |
| 2. 6 cm., 4 cm., 3 cm. | 7. 21.22 c.cm. |
| 4. $6\frac{2}{3}$ gram per sq. cm. | 8. 50 cm. ; 50 gram. |

EXERCISE XXXIX. Page 224.

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| 1. $(5)^5 : (6)^5$. | 5. 4. |
| 2. $(1)(\frac{1}{2})^3, (2)(\frac{1}{2})^3, (3)(\frac{1}{2})^3$. | 6. 11:1. |
| 3. 3. | 7. 3:1. |
| 4. $(1)(\frac{3}{4})^3 \times 30$ in., $(2)(\frac{3}{4})^{1.5}$ | 8. 75.12 gm. |
| $\times 30$ in., $(3)(\frac{3}{4})^{2.0} \times 30$ | 10. 3:2. |
| in. | 11. 10. |

EXERCISE XL. Page 229.

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| 1. 10.336 m. | 4. $114\frac{7}{7}$ pds. |
| 2. 17 ft. | 5. $486\frac{1}{3}$ cm. |
| 3. $20\frac{1}{2}$ pds. | 6. $43\frac{1}{2}$ sq. in. |

EXERCISE XLI. Page 232.

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| 5. 34 ft. | 7. $h \frac{\rho}{\rho_1}$. |
| 6. 17 ft. | |