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Find the volume of each truncated cone (2 d.p.).

| Problem                    | Answer | Problem                   | Answer |
|----------------------------|--------|---------------------------|--------|
| 1. $R = 4, r = 1, h = 7$   |        | 5. $R = 12, r = 7, h = 7$ |        |
| 2. $R = 12, r = 4, h = 14$ |        | 6. $R = 9, r = 8, h = 5$  |        |
| 3. $R = 9, r = 1, h = 14$  |        | 7. $R = 8, r = 7, h = 5$  |        |
| 4. $R = 11, r = 7, h = 12$ |        | 8. $R = 9, r = 6, h = 3$  |        |

## Answer key — Frustum volume

| # | Problem                 | Answer   |
|---|-------------------------|----------|
| 1 | $R = 4, r = 1, h = 7$   | 153.94   |
| 2 | $R = 12, r = 4, h = 14$ | 3,049.44 |
| 3 | $R = 9, r = 1, h = 14$  | 1,334.13 |
| 4 | $R = 11, r = 7, h = 12$ | 3,103.89 |
| 5 | $R = 12, r = 7, h = 7$  | 2,030.52 |
| 6 | $R = 9, r = 8, h = 5$   | 1,136.21 |
| 7 | $R = 8, r = 7, h = 5$   | 884.88   |
| 8 | $R = 9, r = 6, h = 3$   | 537.21   |

### Notes