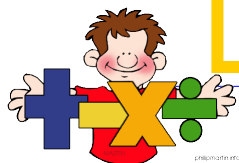


Math Connections



Math Course 3—Week 7 Answers

Cylinders - Volume And Surface Area 10.1.2 Answers

Answers

- | | | |
|---------------------------|----------------------------|------------------------------|
| 1. 785.40 cm ³ | 2. 1431.39 in ³ | 3. 392.70 cm ³ |
| 4. 200 cm ³ | 5. 9079.20 cm ³ | 6. 8586.76 cm ³ |
| 7. 16.93 ft | 8. 28 inches | 9. 18,950.58 cm ³ |

Cylinders—Volume And Surface Area 10.1.2 Answers

Answers

- | | | |
|---------------------------|----------------------------|---------------------------|
| 1. 603.19 cm ² | 2. 626.75 in ² | 3. 367.57 in ² |
| 4. 824.69 cm ² | 5. 191.80 un. ² | 6. 640.50 cm ² |

Pyramids And Cones - Volume 10.1.3 Answers

Answers

- | | | |
|---------------------------|---------------------------|-----------------------------|
| 1. 167.55 cm ³ | 2. 68.07 in ³ | 3. 226.19 in ³ |
| 4. 212.06 cm ³ | 5. 525.05 ft ³ | 6. 66.37 ft ³ |
| 7. 256 cm ³ | 8. 42 ft ³ | 9. 80 in ³ |
| 10. 9.54 cm | 11. 11.28 cm | 12. 4211.24 cm ³ |

Answers

1. $\frac{4000\pi}{3} \approx 4186.67 \text{ cm}^3$

2. $\frac{256\pi}{3} \approx 267.94 \text{ ft}^3$

3. $\frac{500\pi}{3} \approx 523.33 \text{ cm}^3$

4. $\frac{9\pi}{2} \approx 14.13 \text{ mi}^3$

5. $288\pi \approx 904.32 \text{ un}^3$

6. $\frac{9\pi}{2} \approx 14.13 \text{ un}^3$

7. $\frac{1372\pi}{3} \approx 1436.75 \text{ cm}^3$

8. $\frac{500\pi}{3} \approx 523.60 \text{ in}^3$

9. $r = 3 \text{ units}$

10. $r = 4 \text{ units}$