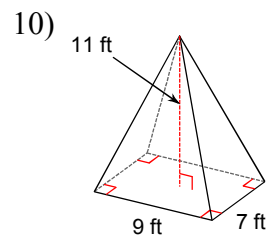
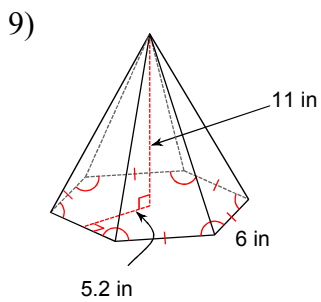
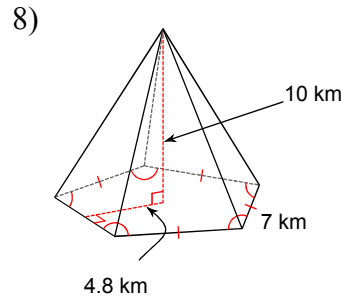
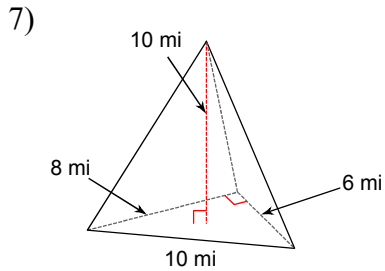
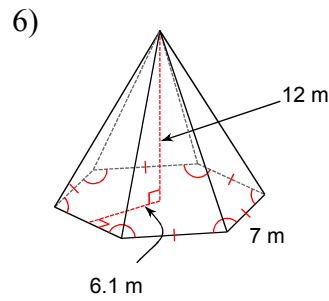
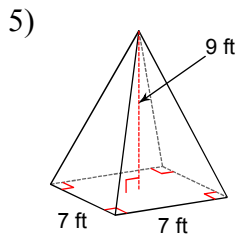
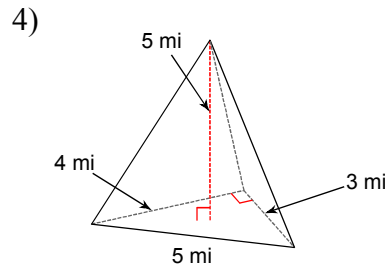
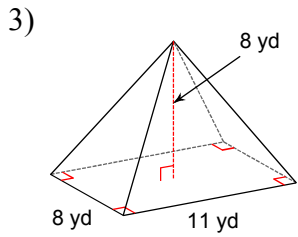
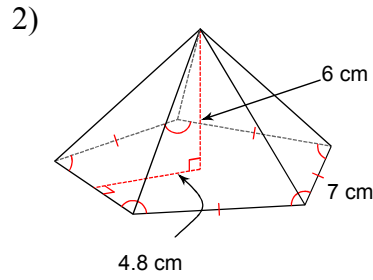
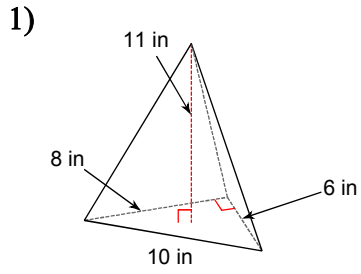
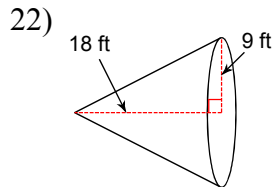
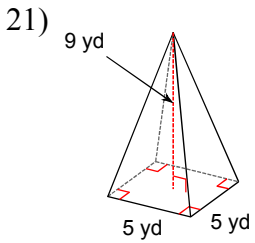
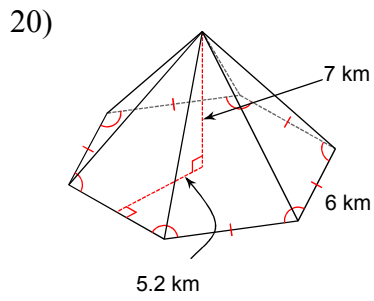
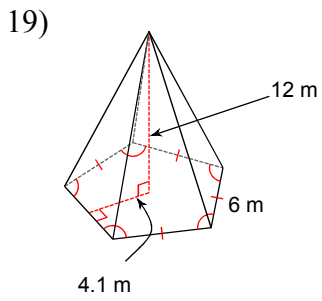
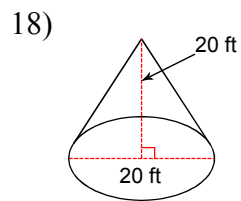
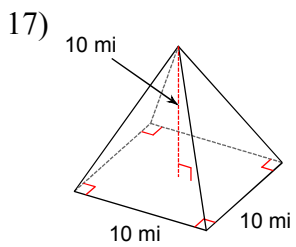
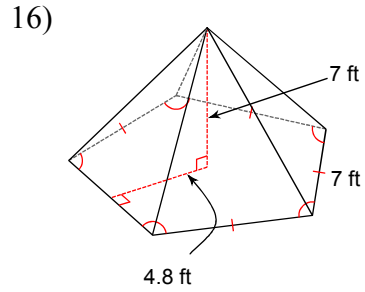
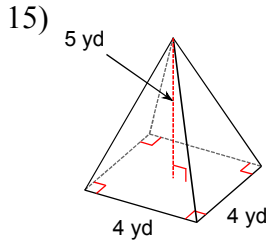
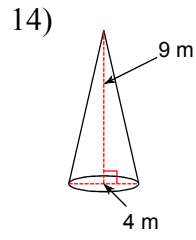
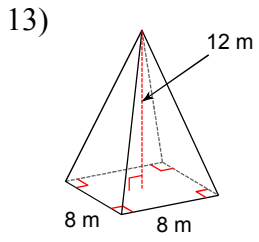
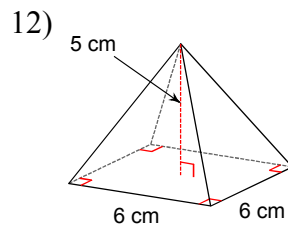
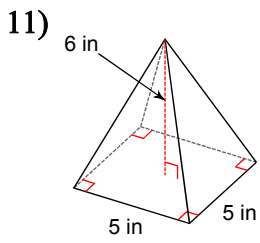


Week 4 Practice - Ref. Ch. 11-3

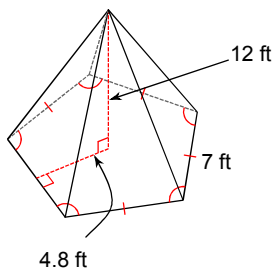
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Find the volume of each figure. Round your answers to the nearest tenth, if necessary. Leave your answers in terms of π for answers that contain π .

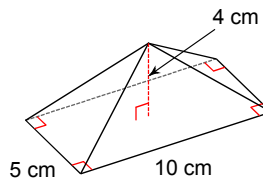




23)



24)



25) A pyramid 10 in tall with a right triangle for a base with side lengths 6 in, 8 in, and 10 in.

27) A hexagonal pyramid 7 cm tall with a regular base measuring 6 cm on each side and an apothem of length 5.2 cm.

29) A pentagonal pyramid 10 ft tall with a regular base measuring 10 ft on each side and an apothem of length 6.9 ft.

31) A hexagonal pyramid 11 mi tall with a regular base measuring 7 mi on each side and an apothem of length 6.1 mi.

33) A hexagonal pyramid 12 yd tall with a regular base measuring 8 yd on each side and an apothem of length 6.9 yd.

35) A pentagonal pyramid 7 in tall with a regular base measuring 6 in on each side and an apothem of length 4.1 in.

37) A hexagonal pyramid 9 m tall with a regular base measuring 9 m on each side and an apothem of length 7.8 m.

39) A rectangular pyramid of height 6 in measuring 3 in and 5 in along the base.

41) A rectangular pyramid of height 11 in measuring 6 in and 7 in along the base.

43) A rectangular pyramid of height 12 m measuring 8 m and 10 m along the base.

45) A pyramid 12 km tall with a right triangle for a base with side lengths 6 km, 8 km, and 10 km.

47) A cone with radius 12 yd and a height of 24 yd.

26) A square pyramid measuring 5 km along each edge of the base with a height of 6 km.

28) A square pyramid measuring 8 km along each edge of the base with a height of 9 km.

30) A pentagonal pyramid 9 yd tall with a regular base measuring 9 yd on each side and an apothem of length 6.2 yd.

32) A cone with diameter 16 cm and a height of 16 cm.

34) A rectangular pyramid of height 11 m measuring 7 m and 11 m along the base.

36) A pentagonal pyramid 11 ft tall with a regular base measuring 7 ft on each side and an apothem of length 4.8 ft.

38) A square pyramid measuring 3 km along each edge of the base with a height of 3 km.

40) A pentagonal pyramid 12 m tall with a regular base measuring 10 m on each side and an apothem of length 6.9 m.

42) A pentagonal pyramid 10 cm tall with a regular base measuring 7 cm on each side and an apothem of length 4.8 cm.

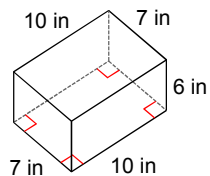
44) A pentagonal pyramid 10 mi tall with a regular base measuring 12 mi on each side and an apothem of length 8.3 mi.

46) A pyramid 6 cm tall with a right triangle for a base with side lengths 3 cm, 4 cm, and 5 cm.

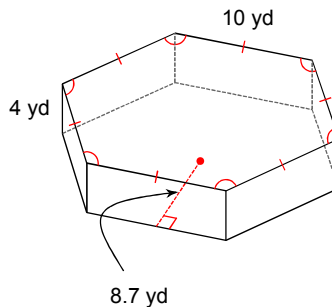
48) A hexagonal pyramid 12 ft tall with a regular base measuring 6 ft on each side and an apothem of length 5.2 ft.

Review: Find the volume of each figure. Round your answers to the nearest tenth, if necessary. Leave your answers in terms of π for answers that contain π .

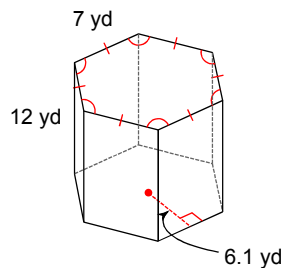
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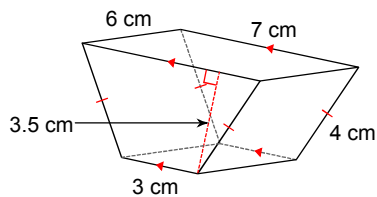
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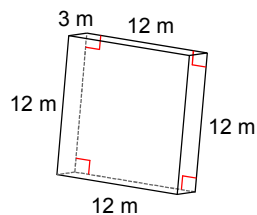
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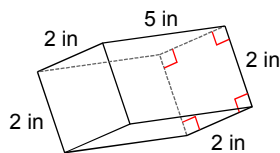
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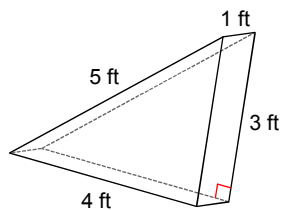
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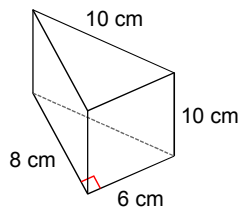
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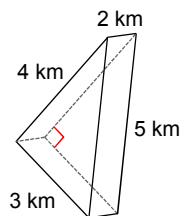
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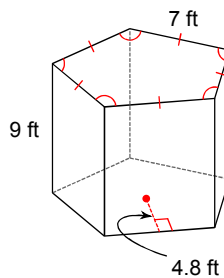
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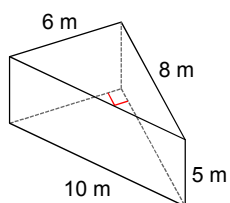
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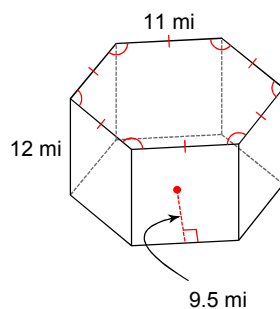
58)



59)



60)



Answers to Week 4 Practice - Ref. Ch. 11-3 (ID: 1)

- | | | | |
|--------------------------|-----------------------------|----------------------------|-----------------------------|
| 1) 88 in^3 | 2) 168 cm^3 | 3) 234.7 yd^3 | 4) 10 mi^3 |
| 5) 147 ft^3 | 6) 512.4 m^3 | 7) 80 mi^3 | 8) 280 km^3 |
| 9) 343.2 in^3 | 10) 231 ft^3 | 11) 50 in^3 | 12) 60 cm^3 |
| 13) 256 m^3 | 14) $12\pi \text{ m}^3$ | 15) 26.7 yd^3 | 16) 196 ft^3 |
| 17) 333.3 mi^3 | 18) $666.7\pi \text{ ft}^3$ | 19) 246 m^3 | 20) 218.4 km^3 |
| 21) 75 yd^3 | 22) $486\pi \text{ ft}^3$ | 23) 336 ft^3 | 24) 66.7 cm^3 |
| 25) 80 in^3 | 26) 50 km^3 | 27) 218.4 cm^3 | 28) 192 km^3 |
| 29) 575 ft^3 | 30) 418.5 yd^3 | 31) 469.7 mi^3 | 32) $341.3\pi \text{ cm}^3$ |
| 33) 662.4 yd^3 | 34) 282.3 m^3 | 35) 143.5 in^3 | 36) 308 ft^3 |
| 37) 631.8 m^3 | 38) 9 km^3 | 39) 30 in^3 | 40) 690 m^3 |
| 41) 154 in^3 | 42) 280 cm^3 | 43) 320 m^3 | 44) 830 mi^3 |
| 45) 96 km^3 | 46) 12 cm^3 | 47) $1152\pi \text{ yd}^3$ | 48) 374.4 ft^3 |
| 49) 420 in^3 | 50) 1044 yd^3 | 51) 1537.2 yd^3 | 52) 105 cm^3 |
| 53) 432 m^3 | 54) 20 in^3 | 55) 6 ft^3 | 56) 240 cm^3 |
| 57) 12 km^3 | 58) 756 ft^3 | 59) 120 m^3 | 60) 3762 mi^3 |