

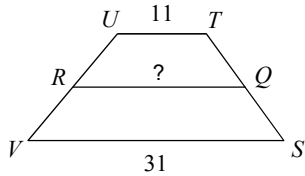
Practice for Q4Exam1

Date _____ Period _____

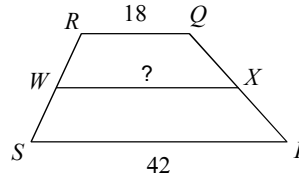
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Find the length of the midsegment of each trapezoid.

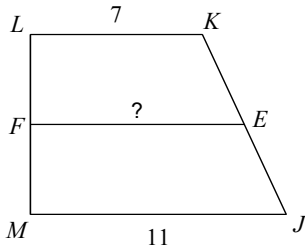
1)



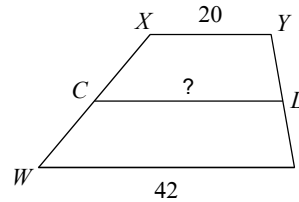
2)



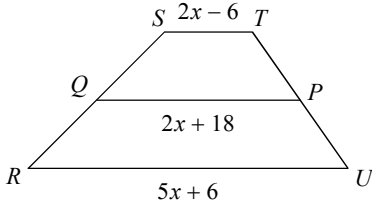
3)



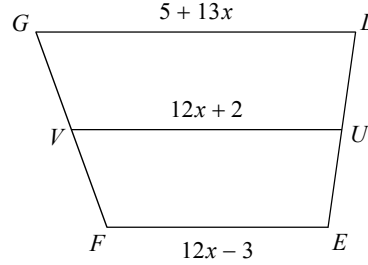
4)



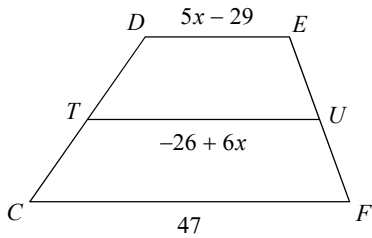
5)



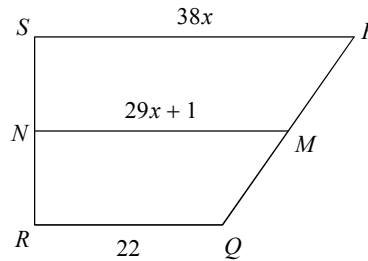
6)



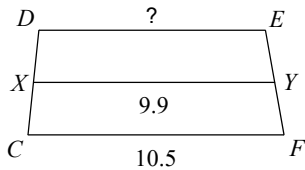
7)



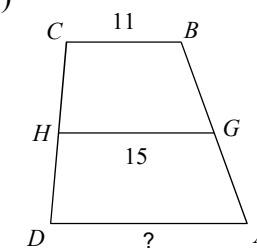
8)

**Find the length of the base indicated for each trapezoid.**

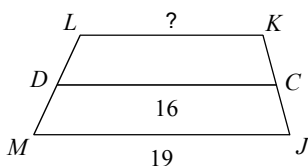
9)



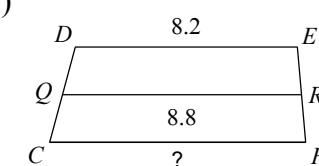
10)



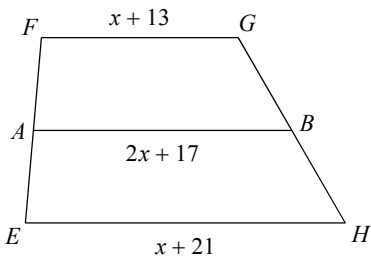
11)



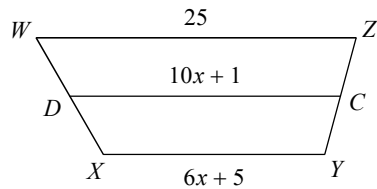
12)



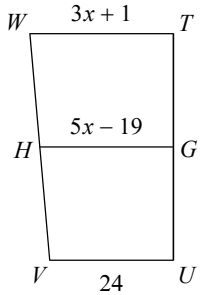
13) Find EH



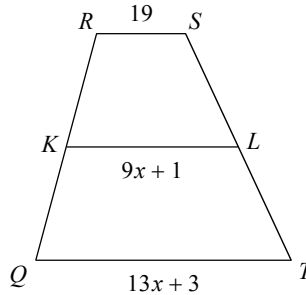
14) Find YX



15) Find TW

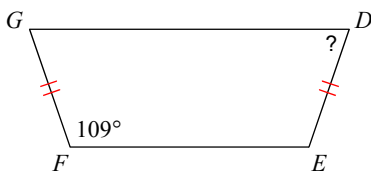


16) Find QT

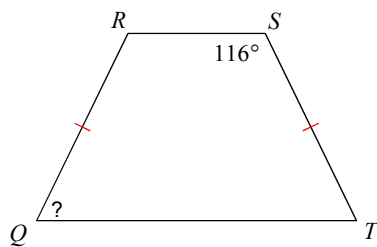


Find the measurement of the angle indicated for each trapezoid.

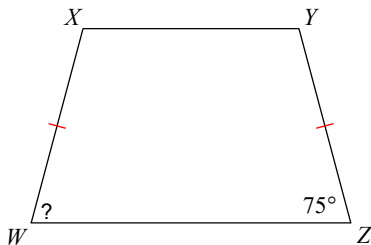
17)



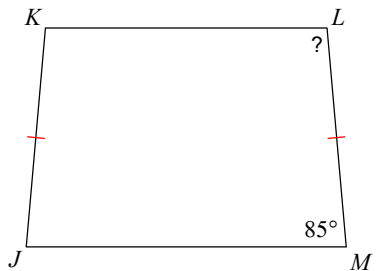
18)



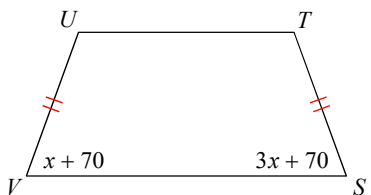
19)



20)

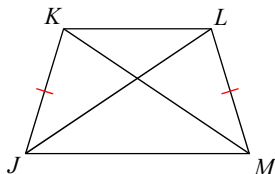


21) Find $m\angle V$

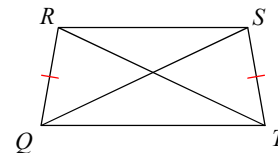


Find the length of the diagonal indicated for each trapezoid.

22) $KM = x + 5$
 $JL = 3x - 9$
 Find KM

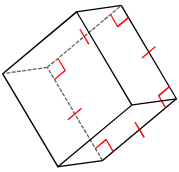


23) $RT = 2x + 23$
 $QS = 4x + 23$
 Find RT

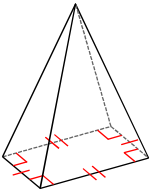


Name each figure.

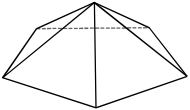
24)



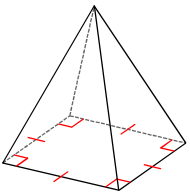
26)



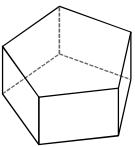
28)



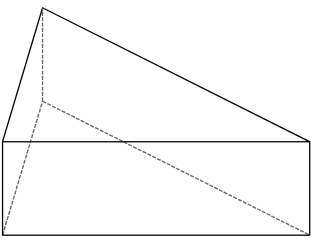
30)



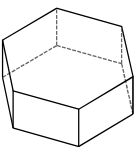
32)



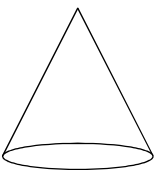
34)



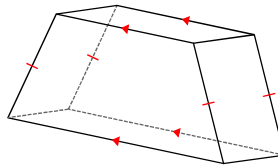
36)



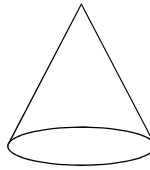
38)



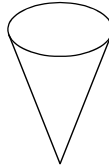
25)



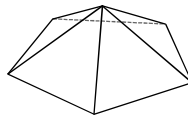
27)



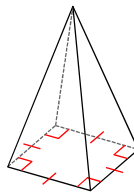
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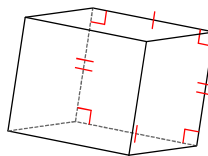
31)



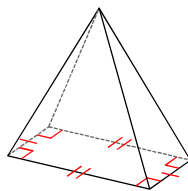
33)



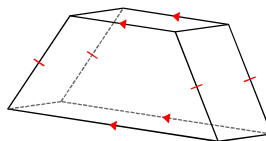
35)



37)

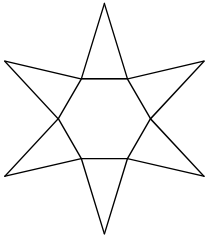


39)

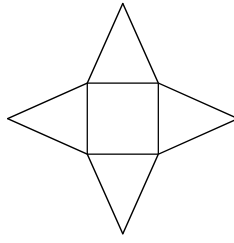


Identify each solid given its net.

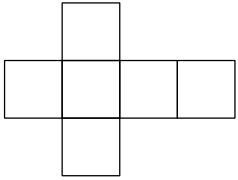
40)



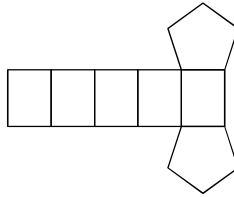
41)



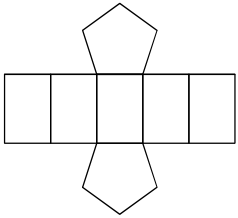
42)



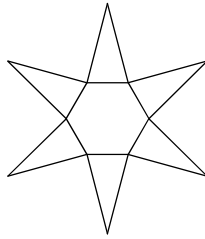
43)



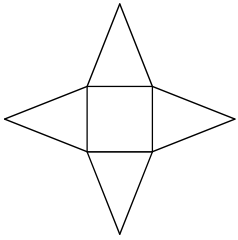
44)



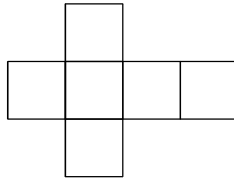
45)



46)

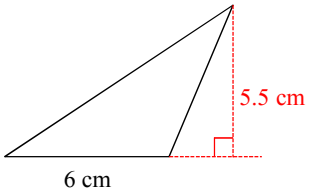


47)

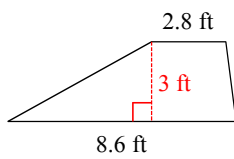


Find the area of each.

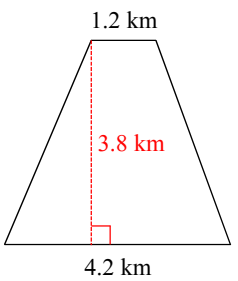
48)



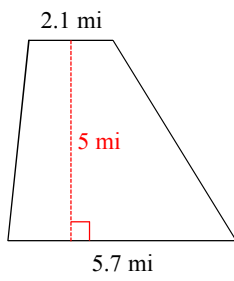
49)



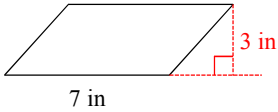
50)



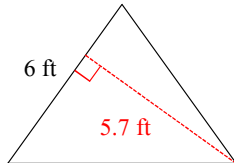
51)



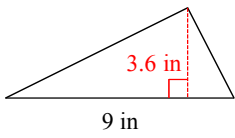
52)



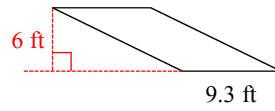
53)



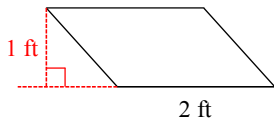
54)



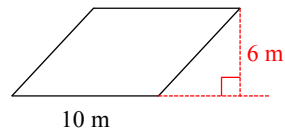
55)



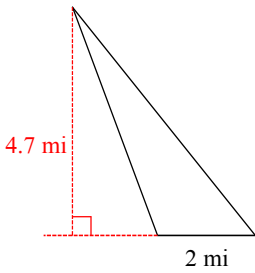
56)



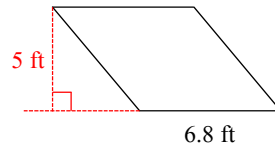
57)



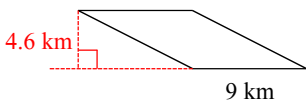
58)



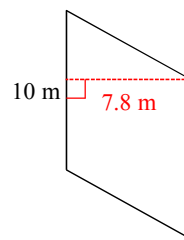
59)



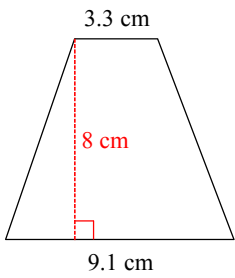
60)



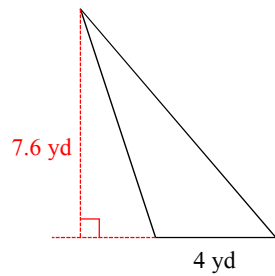
61)



62)

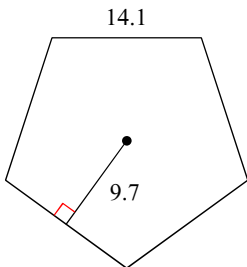


63)

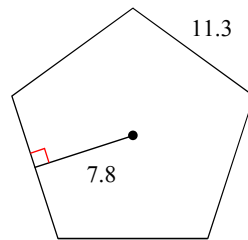


Find the area of each regular polygon. Leave your answer in simplest form.

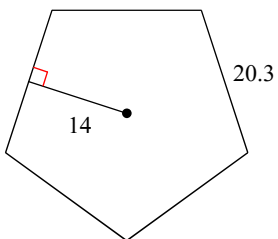
64)



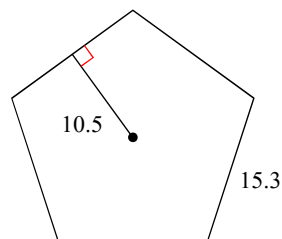
65)



66)

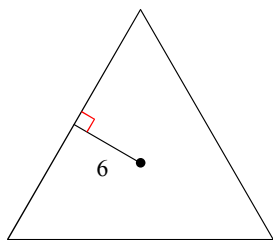


67)

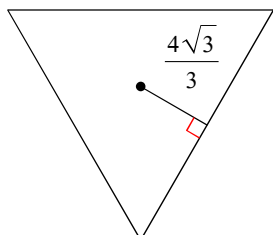


Find the area of each regular polygon. Leave your answer in simplest form. Tip: special triangles, not trig. tables, probably required.

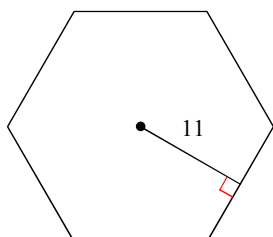
68)



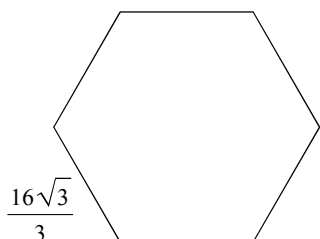
70)



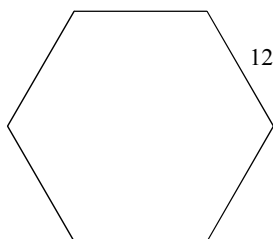
72)



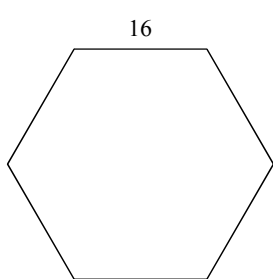
74)



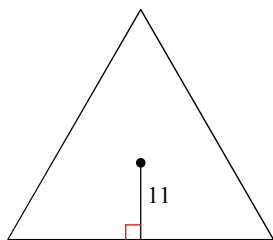
76)



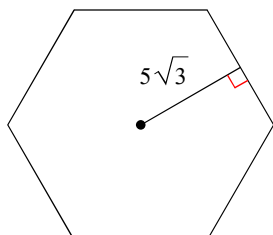
78)



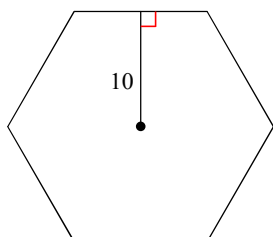
69)



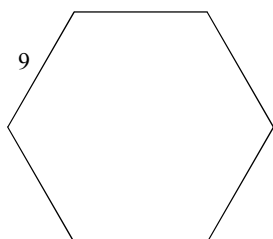
71)



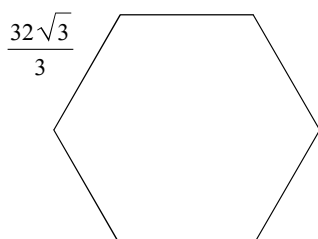
73)



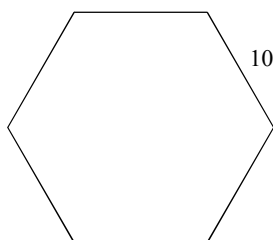
75)



77)

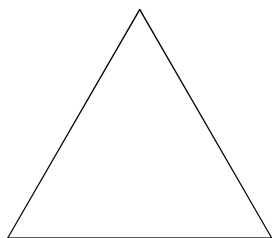


79)



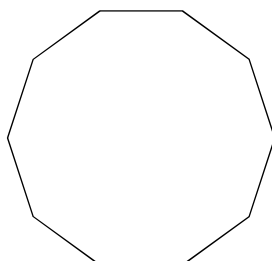
Find the area of each figure. Round your answer to the nearest tenth. Tip: you will probably need to use SOHCAHTOA & your trig. tables

80)



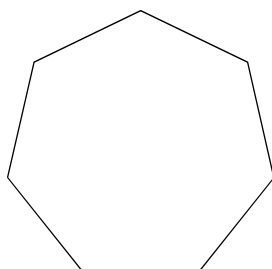
Perimeter = 18 mi

82)



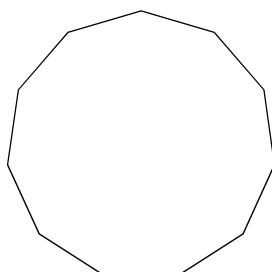
2 km

84)



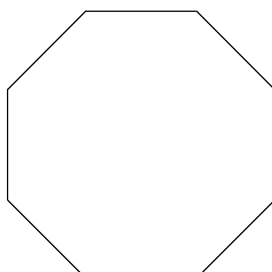
Perimeter = 42 ft

86)



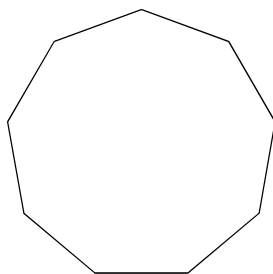
Perimeter = 22 cm

88)



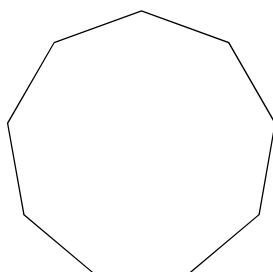
8 yd

81)



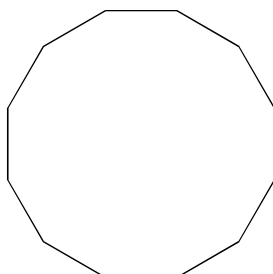
8 in

83)



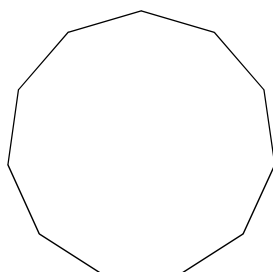
Perimeter = 18 ft

85)



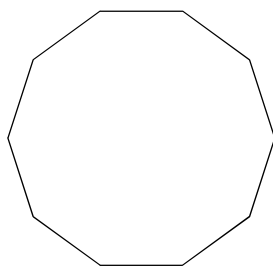
Perimeter = 48 cm

87)



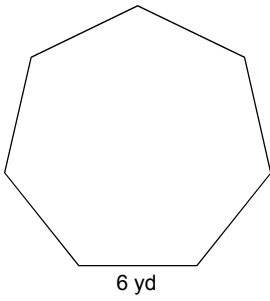
2 m

89)

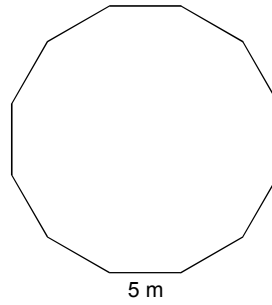


Perimeter = 20 km

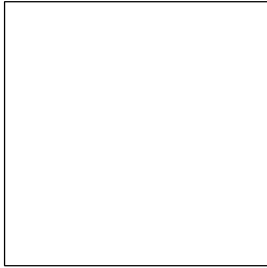
90)



91)

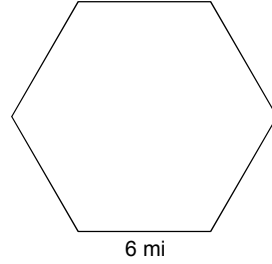


92)

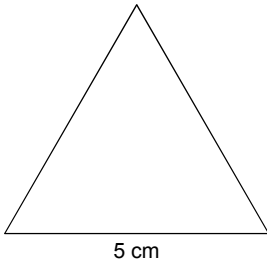


Perimeter = 20 mi

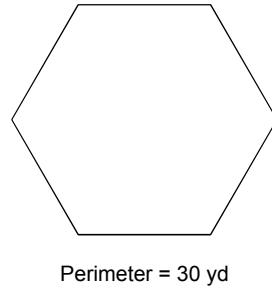
93)



94)

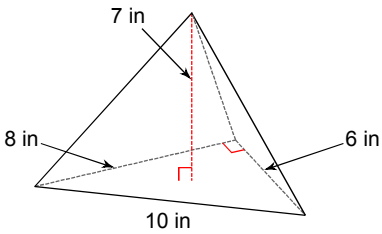


95)

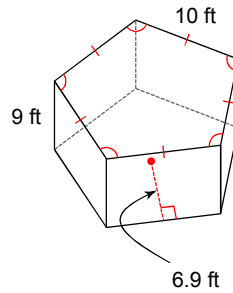


Find the volume of each figure. Round your answers to the nearest tenth, if necessary. Leave your answers in terms of π for answers that contain π .

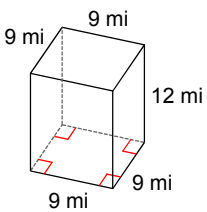
96)



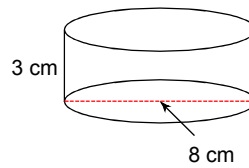
97)



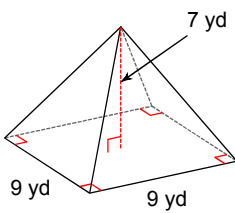
98)



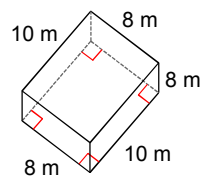
99)



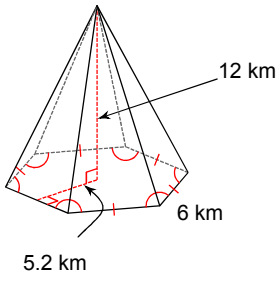
100)



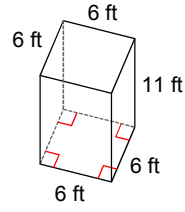
101)



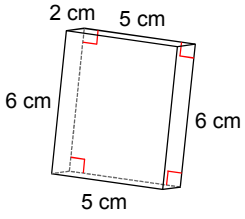
102)



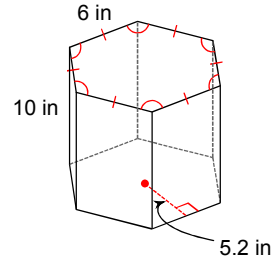
103)



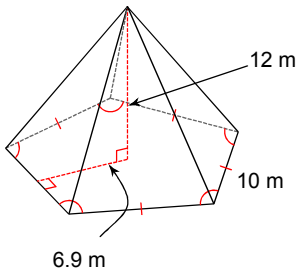
104)



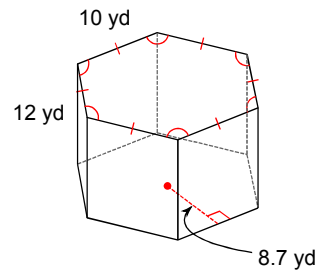
105)



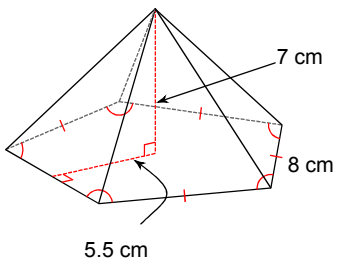
106)



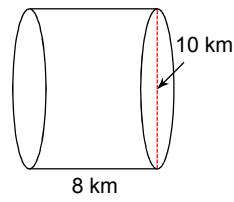
107)



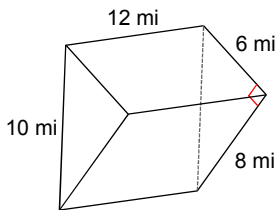
108)



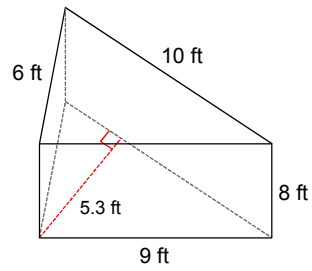
109)



110)



111)



Answers to Practice for Q4Exam1 (ID: 1)

- | | | | |
|-------------------------------|----------------------------|-----------------------------|----------------------------|
| 1) 21 | 2) 30 | 3) 9 | 4) 31 |
| 5) 42 | 6) 26 | 7) 34 | 8) 30 |
| 9) 9.3 | 10) 19 | 11) 13 | 12) 9.4 |
| 13) 21 | 14) 17 | 15) 28 | 16) 55 |
| 17) 71° | 18) 64° | 19) 75° | 20) 95° |
| 21) 70° | 22) 12 | 23) 23 | 24) square prism |
| 25) trapezoidal prism | 26) rectangular pyramid | 27) cone | 28) pentagonal pyramid |
| 29) cone | 30) square pyramid | 31) pentagonal pyramid | 32) pentagonal prism |
| 33) square pyramid | 34) triangular prism | 35) rectangular prism | 36) hexagonal prism |
| 37) rectangular pyramid | 38) cone | 39) trapezoidal prism | 40) hexagonal pyramid |
| 41) square pyramid | 42) square prism | 43) pentagonal prism | 44) pentagonal prism |
| 45) hexagonal pyramid | 46) square pyramid | 47) square prism | 48) 16.5 cm ² |
| 49) 17.1 ft ² | 50) 10.26 km ² | 51) 19.5 mi ² | 52) 21 in ² |
| 53) 17.1 ft ² | 54) 16.2 in ² | 55) 55.8 ft ² | 56) 2 ft ² |
| 57) 60 m ² | 58) 4.7 mi ² | 59) 34 ft ² | 60) 41.4 km ² |
| 61) 78 m ² | 62) 49.6 cm ² | 63) 15.2 yd ² | 64) 341.925 |
| 65) 220.35 | 66) $\frac{1421}{2}$ | 67) 401.625 | 68) $108\sqrt{3}$ |
| 69) $363\sqrt{3}$ | 70) $16\sqrt{3}$ | 71) $150\sqrt{3}$ | 72) $242\sqrt{3}$ |
| 73) $200\sqrt{3}$ | 74) $128\sqrt{3}$ | 75) $\frac{243\sqrt{3}}{2}$ | 76) $216\sqrt{3}$ |
| 77) $512\sqrt{3}$ | 78) $384\sqrt{3}$ | 79) $150\sqrt{3}$ | 80) 15.6 mi ² |
| 81) 395.6 in ² | 82) 30.8 km ² | 83) 24.7 ft ² | 84) 130.8 ft ² |
| 85) 179.1 cm ² | 86) 37.5 cm ² | 87) 37.5 m ² | 88) 309 yd ² |
| 89) 30.8 km ² | 90) 130.8 yd ² | 91) 279.9 m ² | 92) 25 mi ² |
| 93) 93.5 mi ² | 94) 10.8 cm ² | 95) 65 yd ² | 96) 56 in ³ |
| 97) 1552.5 ft ³ | 98) 972 mi ³ | 99) 48π cm ³ | 100) 189 yd ³ |
| 101) 640 m ³ | 102) 374.4 km ³ | 103) 396 ft ³ | 104) 60 cm ³ |
| 105) 936 in ³ | 106) 690 m ³ | 107) 3132 yd ³ | 108) 256.7 cm ³ |
| 109) 200π km ³ | 110) 288 mi ³ | 111) 212 ft ³ | |