

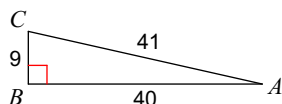
Geometry - Practice Exam 2 - Spring

Find the value of each trigonometric ratio to the nearest ten-thousandth.

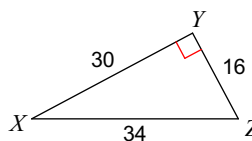
1) $\sin 40^\circ$

Find the value of each trigonometric ratio.

2) $\cos A$



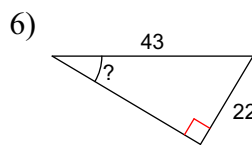
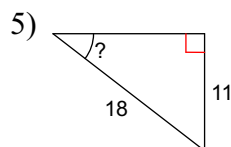
3) $\cos X$



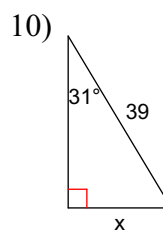
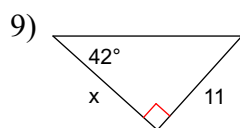
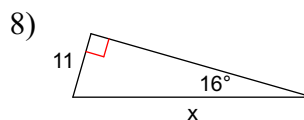
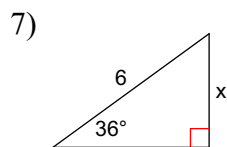
Find each angle measure to the nearest degree.

4) $\sin C = 0.1564$

Find the measure of the indicated angle to the nearest degree.

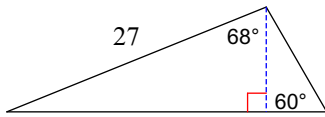


Find the missing side. Round to the nearest tenth.



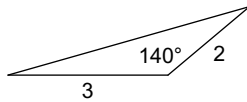
Find the area of each triangle. Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.

11)

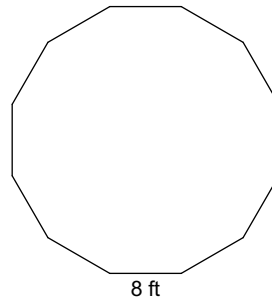


Find the area of each figure. Round your answer to the nearest tenth.

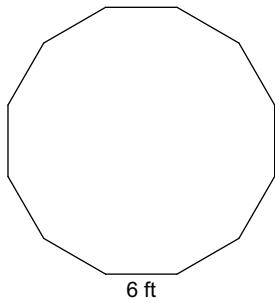
12)



13)

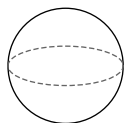


14)

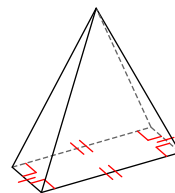


Name each figure.

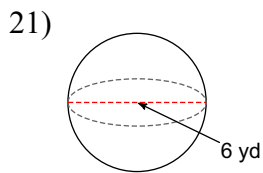
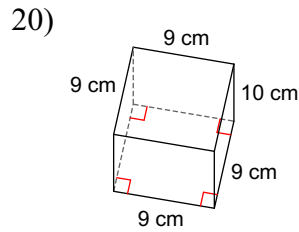
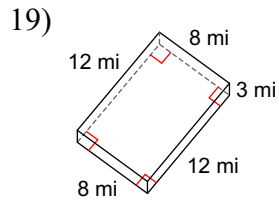
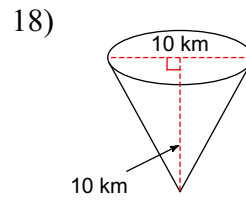
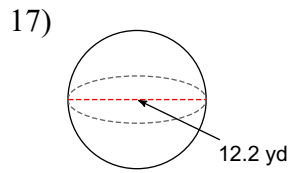
15)



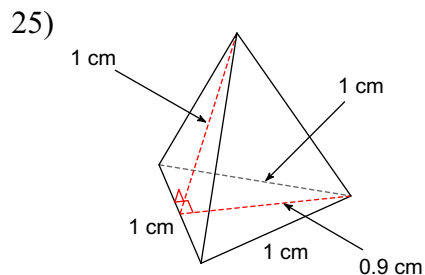
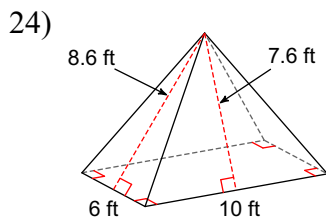
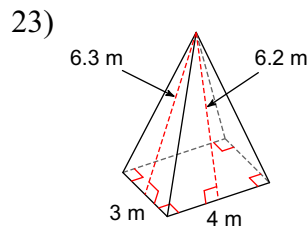
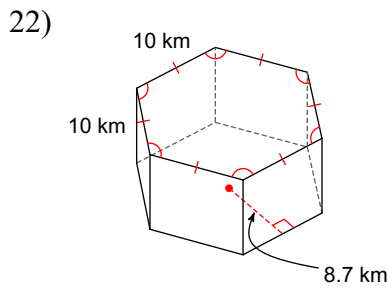
16)



Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.



Find the lateral area of each figure. Round your answers to the nearest hundredth, if necessary.



Answers to Geometry - Practice Exam 2 - Spring

- | | | | |
|--------------------------|---------------------------|--------------------------|------------------------|
| 1) 0.6428 | 2) $\frac{40}{41}$ | 3) $\frac{15}{17}$ | 4) 9° |
| 5) 38° | 6) 31° | 7) 3.5 | 8) 39.9 |
| 9) 12.2 | 10) 20.1 | 11) 155.5 | 12) 1.9 |
| 13) 716.6 ft^2 | 14) 403.1 ft^2 | 15) sphere | |
| 16) rectangular pyramid | 17) 950.78 yd^3 | 18) 261.8 km^3 | |
| 19) 288 mi^3 | 20) 810 cm^3 | 21) 113.1 yd^3 | 22) 600 km^2 |
| 23) 43.7 m^2 | 24) 127.6 ft^2 | 25) 1.5 cm^2 | |