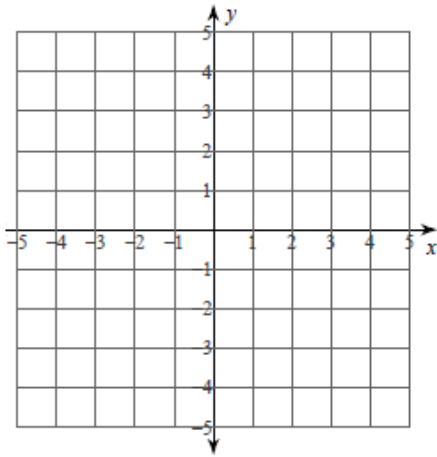


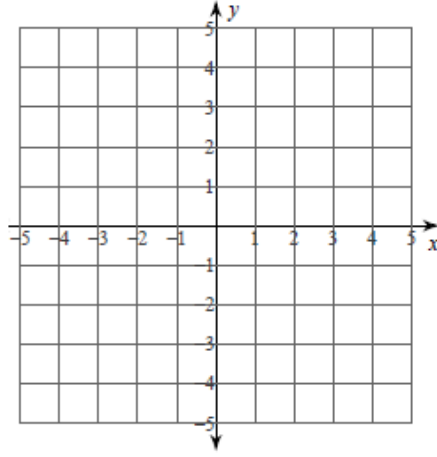
Solve Systems By Graphing

Solve each system.

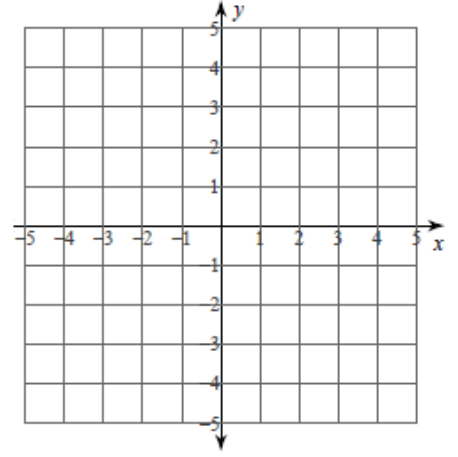
1. $y = -\frac{3}{4}x - 2$
 $y = x + 5$



2. $x - y = 4$
 $2x - 2y = 8$

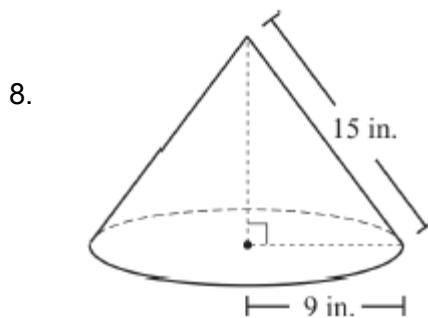
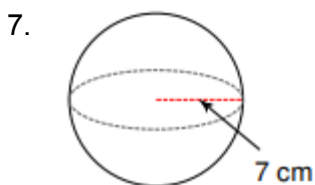
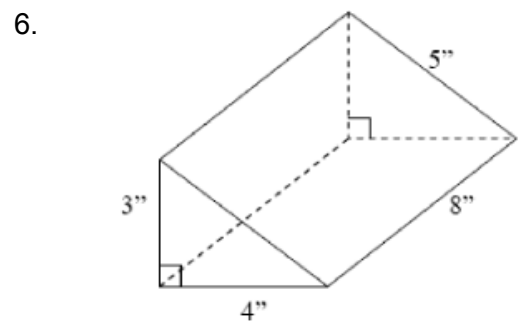
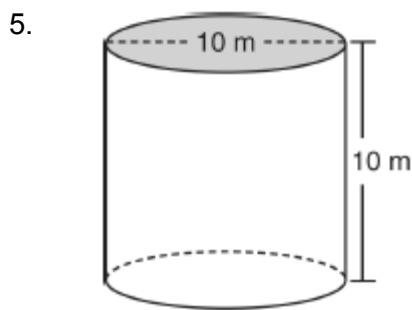
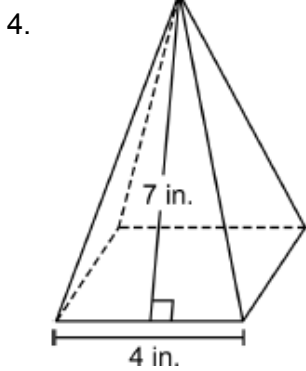


3. $3x + 4y = -8$
 $x - y = -5$



Surface Area

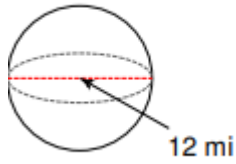
Determine the surface area of each figure. Be sure to include units in the answer!!



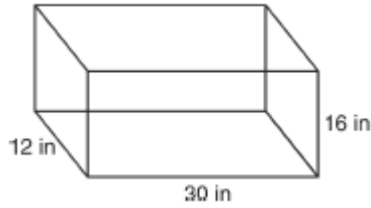
Volume

Determine the volume of each figure. Be sure to include units in the answer!!

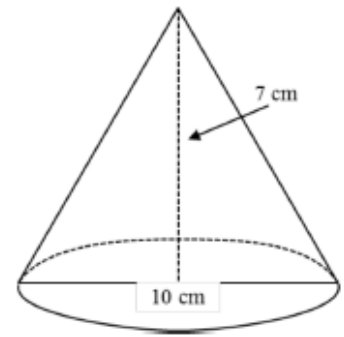
9.



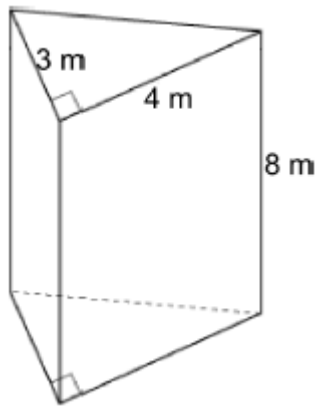
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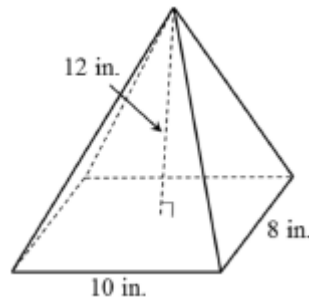
11.



12.



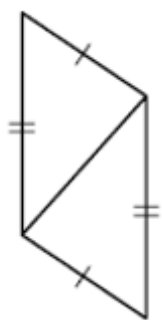
13.



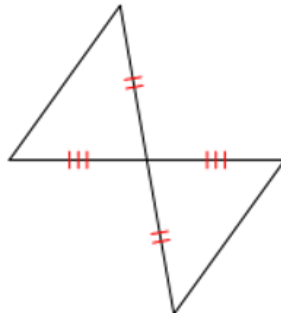
Triangle Congruence Theorems

Determine which theorem can be used to prove that the triangles are congruent. If it is not possible to prove that they are congruent, write not possible.

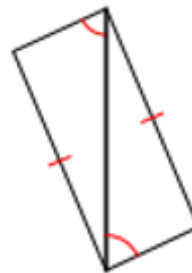
14.



15.



16.

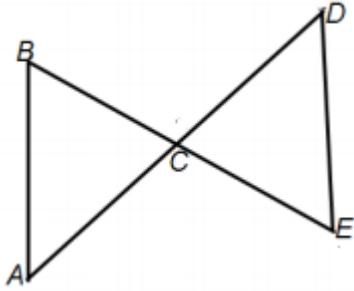


17.

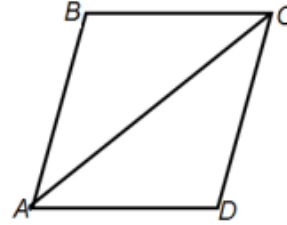


Prove the triangles and congruent using a 2-column proof.

18. Given: C is the midpoint of \overline{BE} , $\angle A \cong \angle D$
 Prove: $\triangle ABC \cong \triangle DEC$



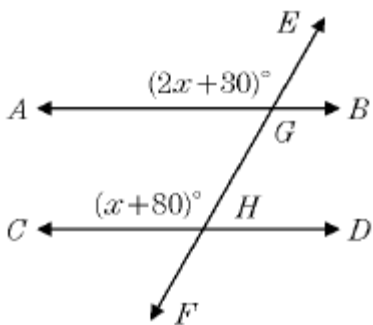
19. Given: $\overline{BC} \cong \overline{DA}$, $\overline{BC} \parallel \overline{DA}$
 Prove: $\triangle ABC \cong \triangle CDA$



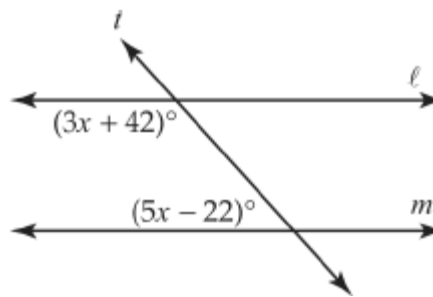
Parallel Lines and Transversals

Solve for x .

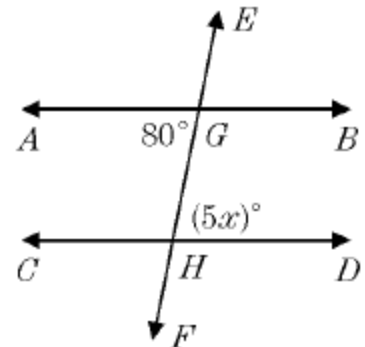
20.



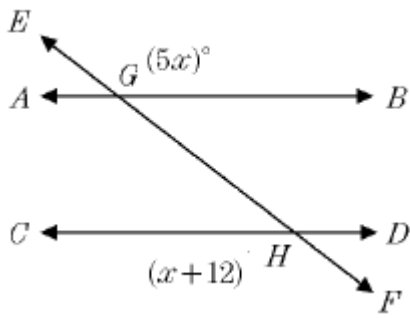
21.



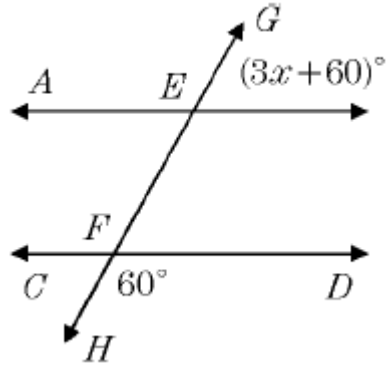
22.



23.



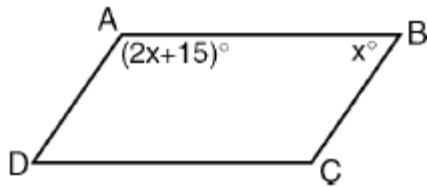
24.



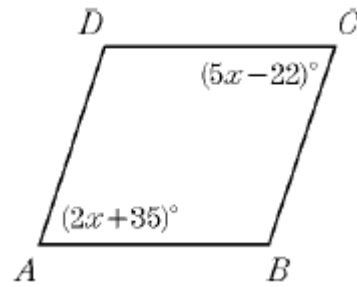
Parallelograms

Solve for x .

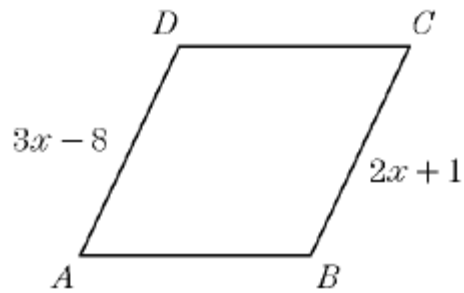
25.



26.



27.



28. $BD = 8x + 4$ and $BE = 22$

