

# Study Guide

(21)  $V = \frac{4}{3} \pi r^3$   
 $V = \frac{4}{3} \cdot 3.14 \cdot 15^3$   
 $V = 14130 \text{ cm}^3$   
(B)

(24)  $V = \frac{4}{3} \pi r^3$   
 $V = \frac{4}{3} \cdot 3.14 \cdot 10.9^3$   
 $V = 5421.9 \text{ cm}^3$   
(C)

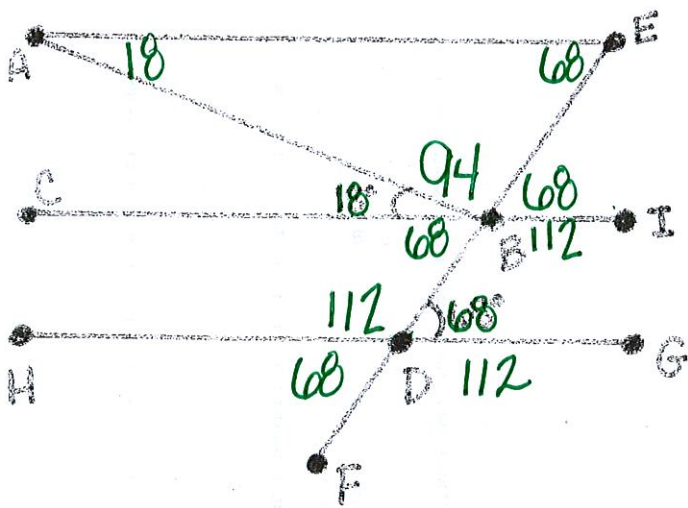
use radius!

(22)  $V = \frac{2}{3} \pi r^3$   
 $V = \frac{2}{3} \cdot 3.14 \cdot 24^3$   
 $V = 28938.2 \text{ m}^3$   
(A)

(23)  $V = \pi r^2 h$   
 $V = 3.14 \cdot 20^2 \cdot 25$   
 $V = 31,400 \text{ cm}^3$   
(D)

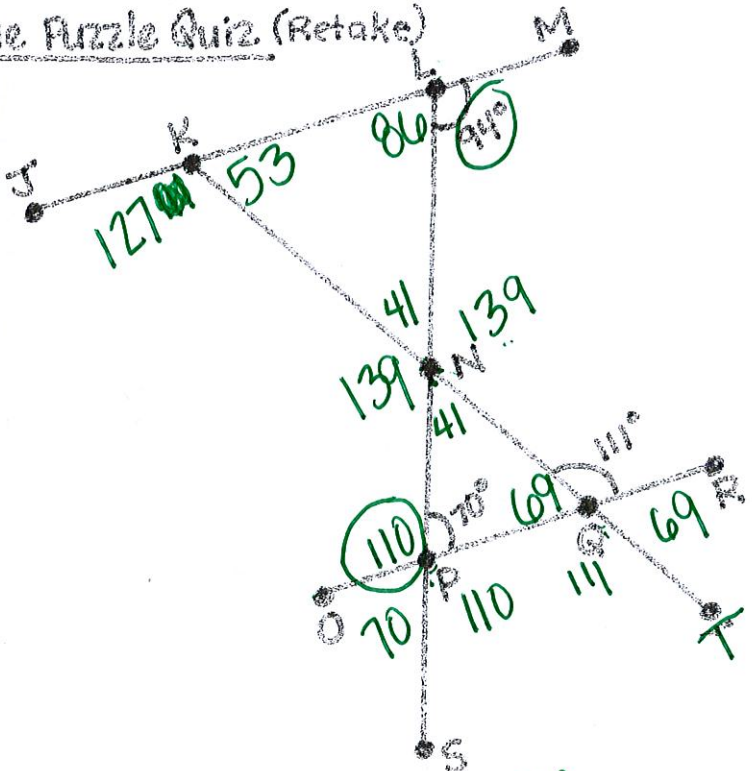
- (25) A
- (26) ~~B~~ L.
- (27) G
- (28) E
- (29) B
- (30) J
- (31) H
- (32) I
- (33) D
- (34) K
- (35) F
- (36) C

Find the missing angles. Angle Puzzle Quiz. (Retake)



$\overleftrightarrow{AE} \parallel \overleftrightarrow{CB} \parallel \overleftrightarrow{HG}$

- ①  $\angle EBI = 68^\circ$
- ②  $\angle BDH = 112^\circ$
- ③  $\angle BEA = 68^\circ$
- ④  $\angle CBD = 68^\circ$
- ⑤  $\angle EBA = 94^\circ$
- ⑥  $\angle BAE = 18^\circ$
- ⑦  $\angle HDF = 68^\circ$
- ⑧  $\angle FDG = 112^\circ$
- ⑨  $\angle DBI = 112^\circ$



- ⑩  $\angle TQP = 111^\circ$
- ⑪  $\angle NQP = 69^\circ$
- ⑫  $\angle OPN = 110^\circ$
- ⑬  $\angle SPQ = 110^\circ$
- ⑭  $\angle PNQ = 41^\circ$
- ⑮  $\angle LNK = 41^\circ$
- ⑯  $\angle KNP = 139^\circ$
- ⑰  $\angle LNQ = 139^\circ$
- ⑱  $\angle KLN = 86^\circ$
- ⑲  $\angle LKN = 53^\circ$
- ⑳  $\angle JKN = 127^\circ$

Name:

Date: