Name _____ color _____

Slow Is the Way to Go

45 4√3 •4   •16   •4√8

•13   • 8   6•

•11   •1   3√2

•1

11√2 •17 •30   •0   3√5

11√3   •20√6   120

20√3   5.   •10

•60 7√2 •√18   25 10√2

•10√3   5√3   •9√3

11/√2 • 18   •18√3   10/√2 √12 12   9√2

C
8   8
60°
A   Z   B

E   F H
45°
G
L   K

M 3 N   O

F' I' G'

X I J R Q P

E' 60° A' B'

10

D' H' C'
regular hexagon B'C'D'E'F'G'

T
W S

┗ ← right angle, 90°

✗ ✗ congruent angles

+ + congruent segments
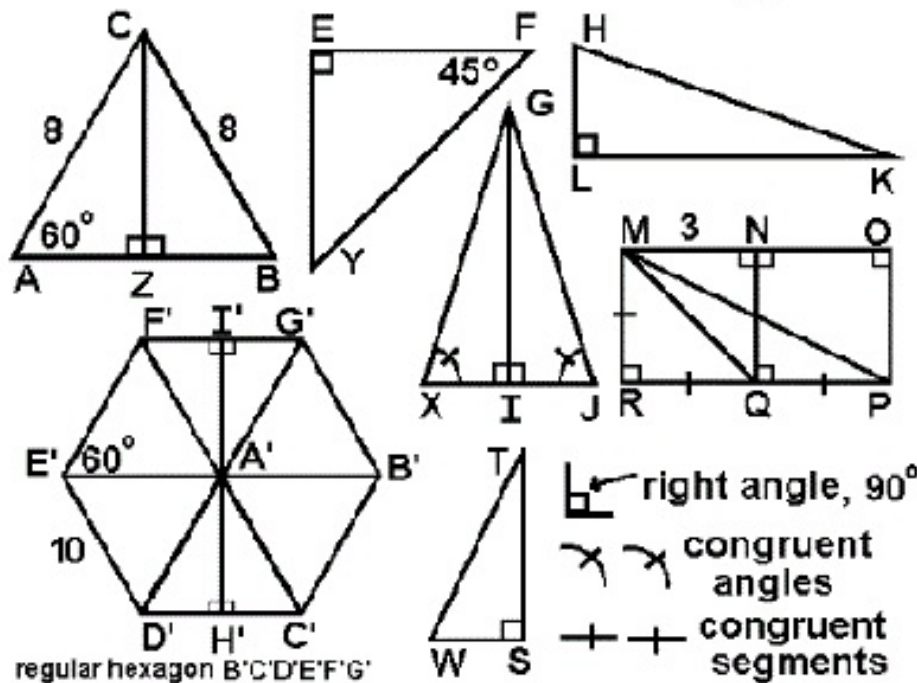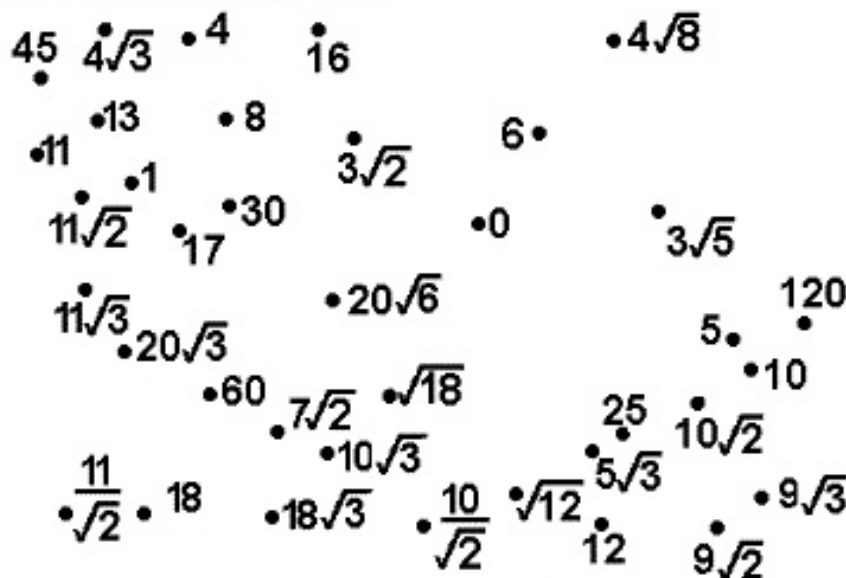
Connect the dot for an answer to the dot for the previous answer.
Write each answer in simplest radical form.

Start a new line.

1.) m∠ACZ
2.) AB
3.) AZ
4.) CZ
5.) m∠Y
6.) EY, if EF is 11
7.) FY if EF is 11

8.) EF is FY is √2

9.) HK if, m∠K is 30°, and HL is 10√3

10.) KL if, m∠K is 30°, and HL is 10√3
11.) MQ

12.) PR
13.) MP
14.) E'F'
15.) m∠E'D'C'
16.) D'H'
17.) D'A'
18.) A'H'
19.) H'I'
20.) FY if EF is 10√6

Start a new line.
21.) m∠XGI given m∠X is 30° and GI is 9
22.) XG given m∠X is 30° and GI is 9
23.) XJ given m∠X is 30° and GI is 9
24.) WT given WS is 7 and ST is 7

Start a new line.
25.) WT given WS is 15 and ST is 20
26.) WT given WS is 6 and ST is 6√3
27.) FY if EF is 9
28.) EF if FY is 20

Circle this answer.
29.) HK given HL is 5 and KL is 12