1. $360 - 192 - 97 = 71$

192

$m\angle = \frac{1}{2}(97 - 71)$

$\boxed{m\angle = 13}$ What is the value of angle one?

1

71

97

2.

x+4°

75°

2x-10°

$\frac{(x+4) + 2x - 10}{2} = 75$

$3x - 6 = 150$

$3x = 156$

$\boxed{X = 52}$

Find the value of x

3. Which is a tangent?

C

E

O

A

B

$\boxed{\overleftrightarrow{AE}}$

4.

G

H

X+138

x + 135

I

K

x + 48

J

Find the Measure of the arc $\overset{\frown}{KG}$.

$(-3 + 138) = \boxed{135°}$

$X + 138 + X + 48 = \underline{180}$

$2X + 186 = 180$

$2X = -6$

$X = -3$

5.

x°

B

? ∠ Supplementary 72°

A

51°

D

Find the measure of arc BC.

$180 - 72 = \underline{108}$

Inscribed ▷ $108 \cdot 2 = 216$

$216 - 51 = \boxed{165°}$

6. Manuela is constructing a tangent line to circle C from point P. She has already drawn $\overline{CP}$ and found the midpoint M as shown below. Where should Manuela place the point of her compass to continue the construction?

C ---- M ---- P

$\boxed{\text{Point M}}$

The next step is to measure $\overline{MC}$ and make arcs to intersect circle (above & below) from pt M.

7. The altitude of a pyramid is _____ to the base.

A. Congruent
B. Proportional
C. Perpendicular
D. Parallel

8. Find the area of circle Z in terms of π

Z

d = 22 ft

$A = \pi r^2$

$A = \pi (11)^2$

$\boxed{A = 121\pi}$