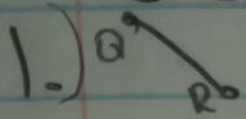
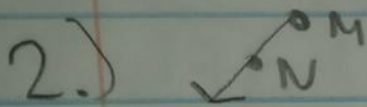


Geometry Graded Test

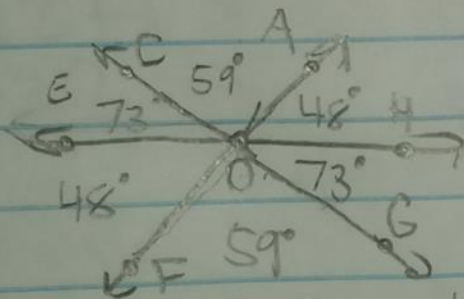


Line Segment
 $\overline{QR}$



Ray
 $\overrightarrow{MN}$

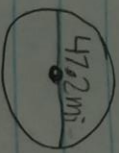
3.)



$$180 - 73 - 59 = 48$$

$$73 + 59 + 48 = 180$$

- $\angle COA$ measures 59°
- $\angle AOH$ measures 48°
- $\angle HOG$ measures 73°
- $\angle FOE$ measures 48°



4.)

$$r = \frac{47.2 \text{ mi}}{2}$$

$$= 23.6 \text{ mi}$$

$$r = 3.14 \times 23.6 \times 23.6 \text{ mi}$$

$$= 1748.8544 \text{ mi}$$

S.) $d = 13 \text{ cm}$

$$C = 3.14 \times 13 \text{ cm}$$

$$= 40.8 \text{ cm}$$

$$r = \frac{13 \text{ cm}}{2}$$

$$= 6.5 \text{ cm}$$

$$r = 3.14 \times 6.5 \times 6.5 \text{ cm}$$

$$= 132.7 \text{ cm}^2$$

6.) The measure of the complement of a 42° angle is 48°
 $90^\circ - 42^\circ = 48^\circ$
 $48^\circ + 42^\circ = 90^\circ$

7.) Find the perimeter and area of a storage building that is 69.2 ft by 21 ft

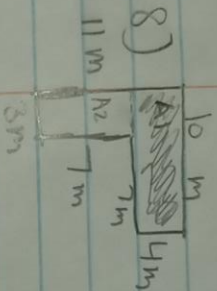
$$P = 2 \times 69.2 \text{ ft} + 2 \times 21 \text{ ft}$$

$$= 138.4 \text{ ft} + 42$$

$$= 180.4 \text{ ft}$$

$$A = 69.2 \text{ ft} \times 21 \text{ ft}$$

$$= 1453.2 \text{ ft}^2$$



$$P = 10 + 4 + 7 + 7 + 3 + 11 \text{ m}$$

$$= 42 \text{ m}$$

$$A = b \times h$$

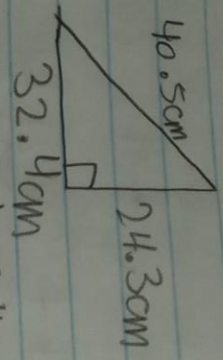
$$A_1 = 10 \times 4 = 40 \text{ m}$$

$$A_2 = 7 \times 3 = 21 \text{ m}$$

$$= 40 \text{ m} + 21 \text{ m}$$

$$= 61 \text{ m}^2$$

9.)

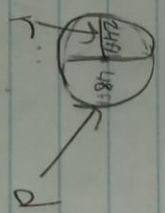
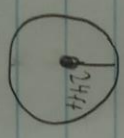


$$P = 40.5 + 24.3 + 32.4 \text{ cm} = 97.2 \text{ cm}$$

$$A = \frac{1}{2} \times b \times h$$

$$0.5 \times 32.4 \times 24.3 \text{ cm} = 393.7 \text{ cm}^2$$

10.)



$$d = 2 \times \text{radius} = 2 \times 24 \text{ ft} = 48 \text{ ft}$$

$$C = 3.14 \times 48 \text{ ft} = 150.7 \text{ ft}$$

$$r = \frac{48 \text{ ft}}{2} = 24 \text{ ft}$$

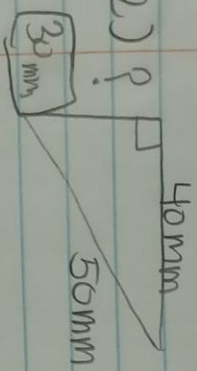
$$r = 3.14 \times 24 \times 24 \text{ ft} = 1808.6 \text{ ft}^2$$

11) Find the measure of the supplement of a 42° angle is 138°

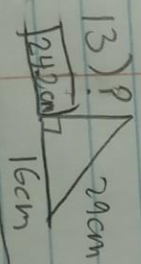
$$180 - 42 = 138^\circ$$

$$138 + 42 = 180^\circ$$

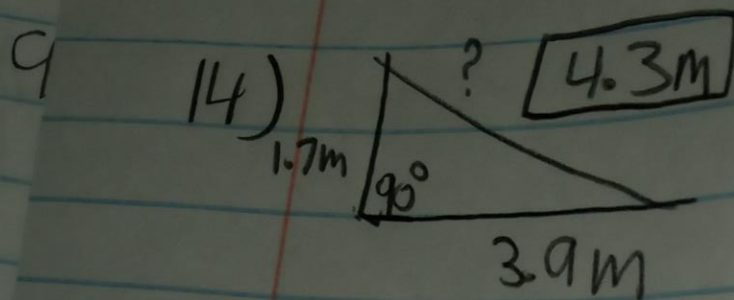
12) ?



$$\text{Hypotenuse} = \sqrt{(50)^2 - (40)^2} = \sqrt{2500 - 1600} = \sqrt{900} = 30 \text{ mm}$$



$$\sqrt{(24)^2 - (16)^2} = \sqrt{841 - 256} = \sqrt{585} = 24.2 \text{ cm}$$



P

$$h = \sqrt{(1.7)^2 + (3.9)^2}$$
$$\sqrt{2.89 + 15.21}$$
$$\sqrt{18.1}$$
$$= 4.3\text{m}$$

A