Arcos e ângulos na circunferência

1)

$$180° - 2(23°45')$$
$$180° - 47°30' = 132°30'$$

$$x = \frac{132°\ 30''}{2} \qquad 66°45' \qquad ⒠$$

2)

$$E = \frac{CD - AB}{2} \qquad 20° = \frac{x - 40°}{2}$$

$$40° = x - 40°$$
$$x = 80° \qquad ⒠$$

3) $50 + 35 + a = 180$
$$a = 180 - 85$$
$$a = 95° \qquad Ⓐ$$

4) circunferência $= 2\pi$ rad

$$(2 \cdot a) + (2 \cdot \beta) = 2\pi$$
$$2(a + \beta) = 2\pi$$
$$a + \beta = \pi \qquad Ⓒ$$

5)

$$x = 4y$$

$$y = \frac{x}{4}$$
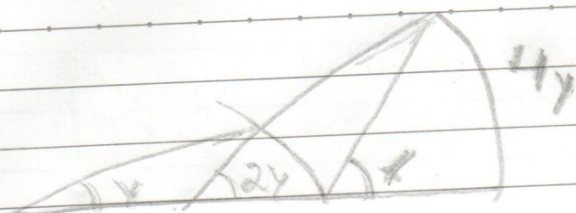
6) $A\hat{E}C = 75°$

$x = 75°$

$$x + y = 180$$
$$75 + y = 180$$
$$y = 105°$$