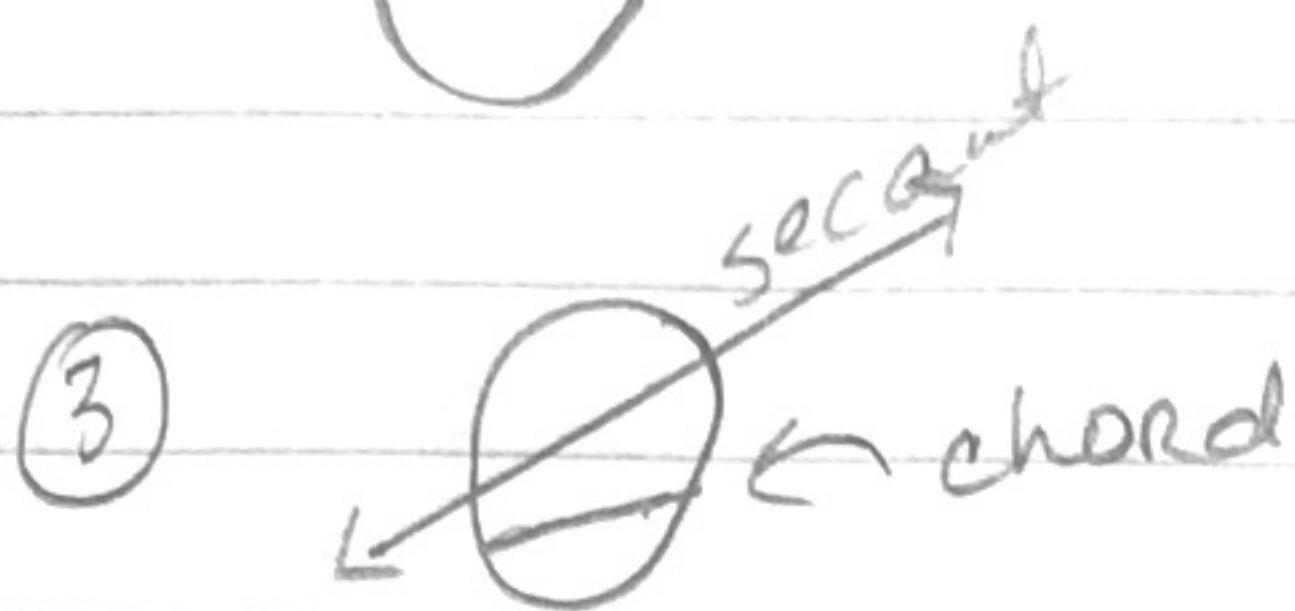
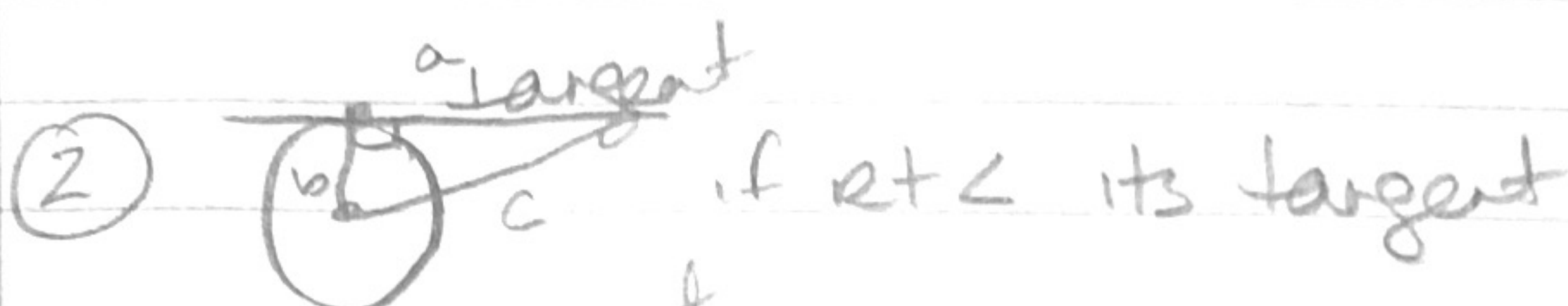
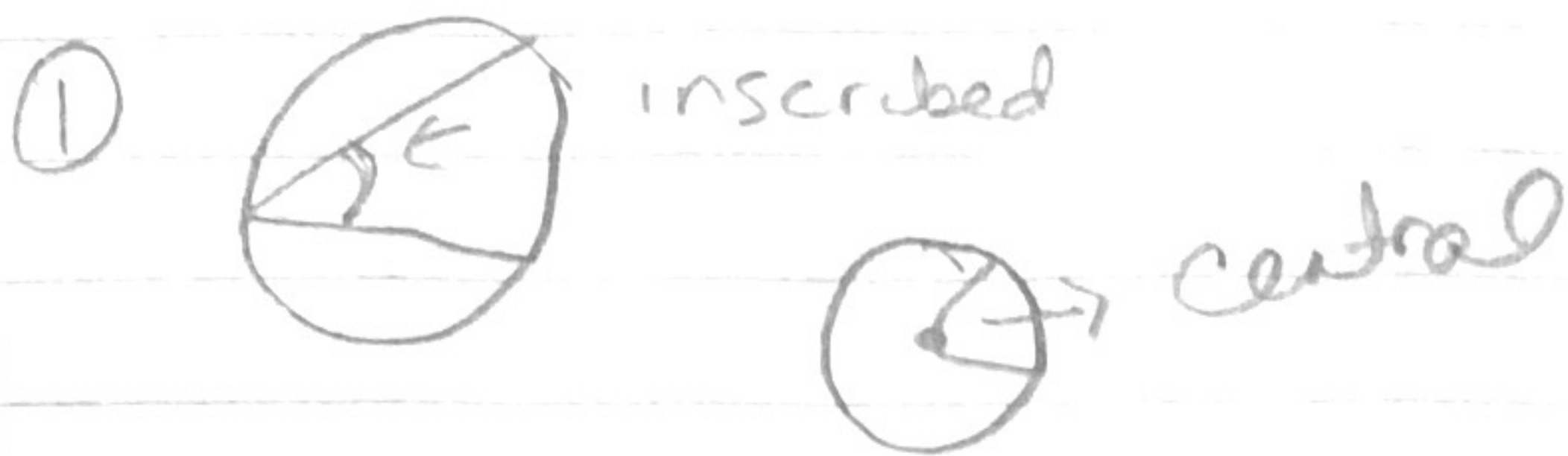


Geo 07 WS



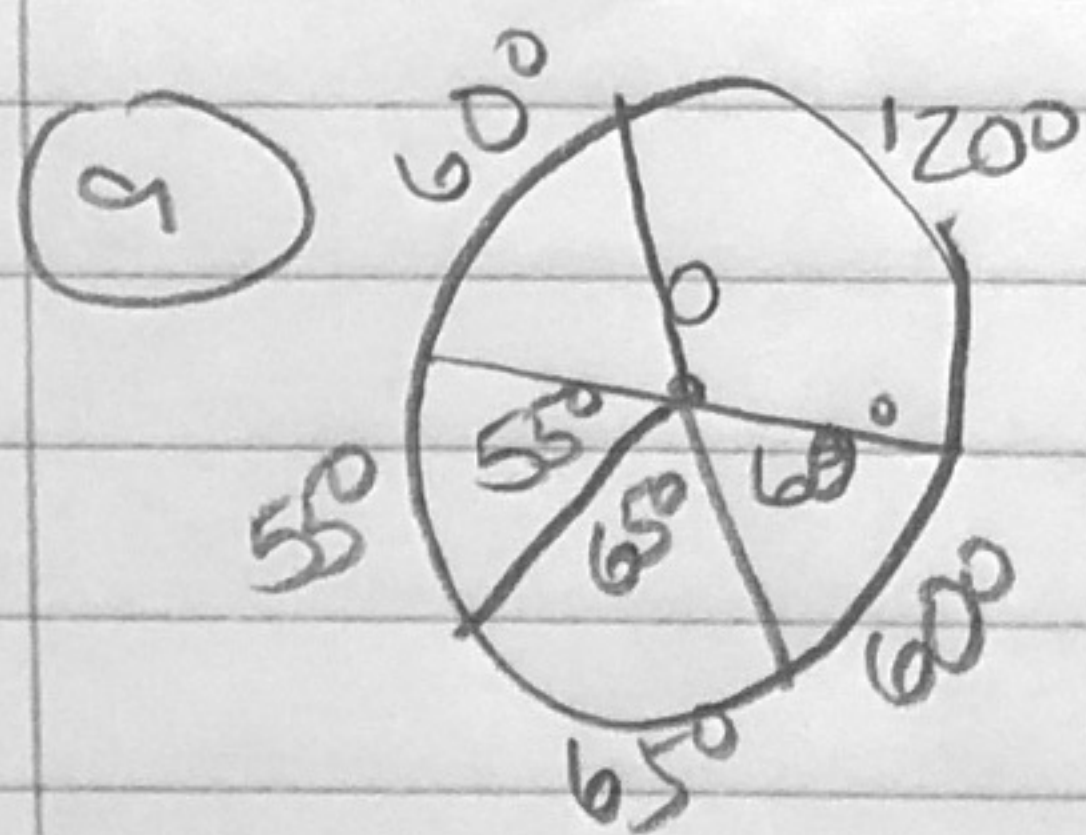
⑤ $r^2 + (r+8)^2 = 16^2$
 $r^2 + r^2 + 16r + 64 = 256$
 $2r^2 + 16r - 192 = 0$
 $r^2 + 8r - 96 = 0$

$(r+12)(r-8) = 0$ $r = 8$
 np $r = -12$

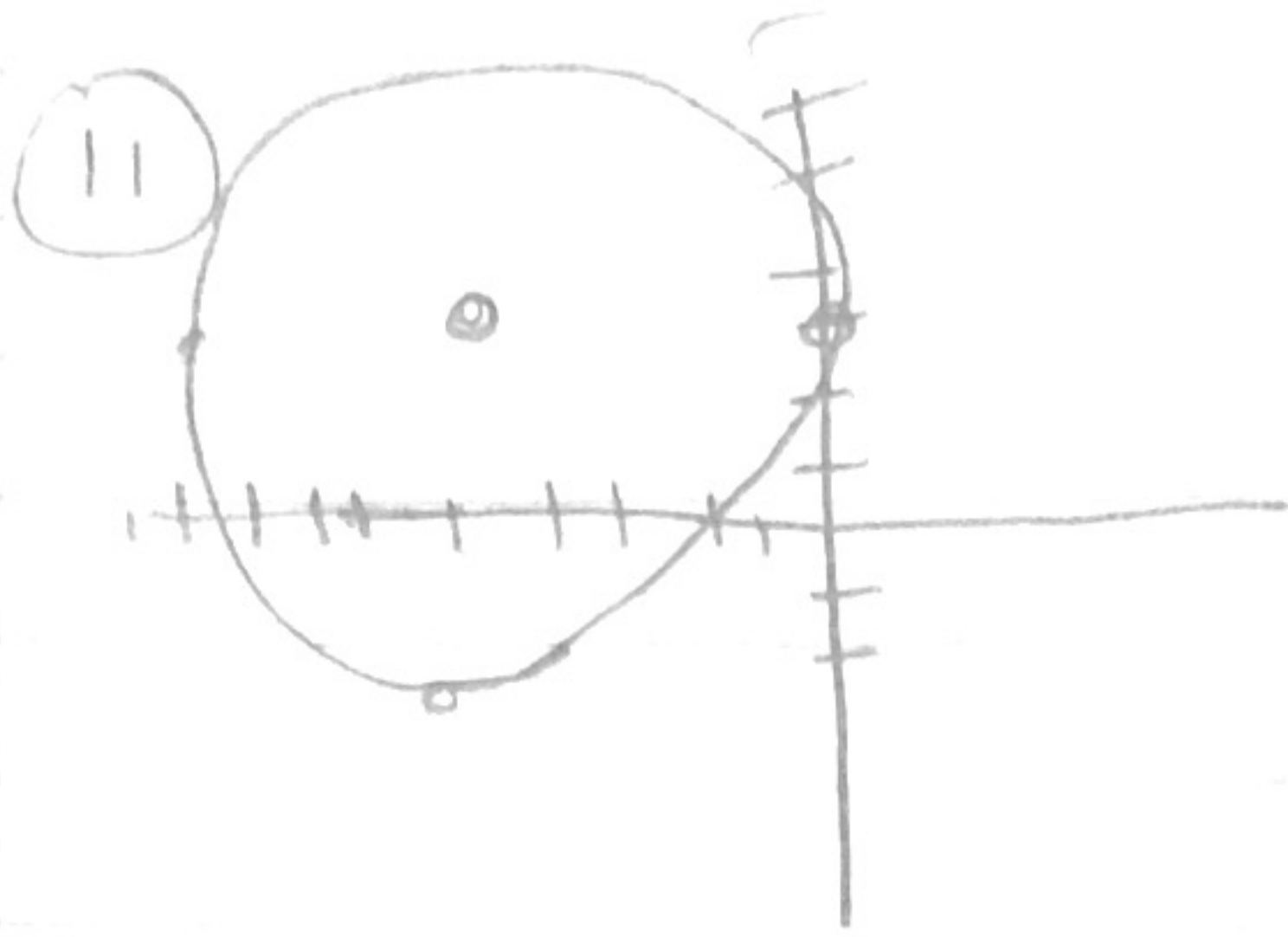
⑥ $r^2 + 12^2 = 13^2$
 $r^2 + 144 = 169$
 $r^2 = 25$ $r = 5$

⑦ 130°

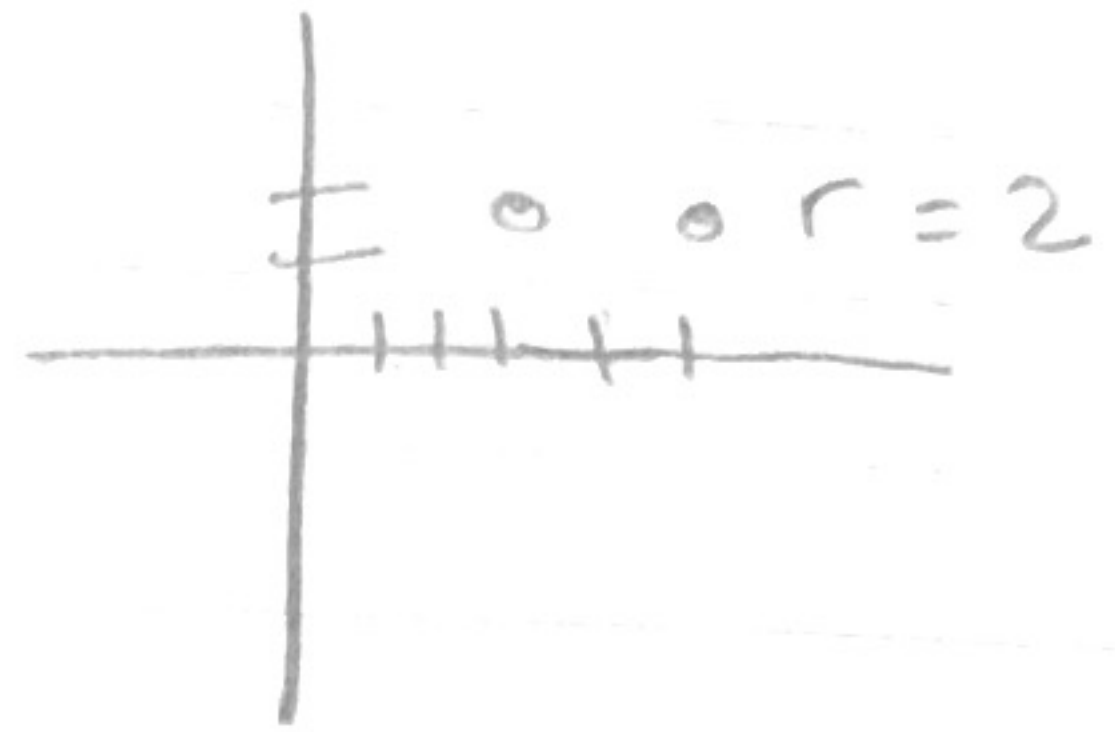
⑧ $6x - 2 = 4$
 $6x = 6$
 $x = 1$



⑩ $2x + 2 = 50$
 $2x = 58$
 $x = 26$



12) $(x-3)^2 + (y-2)^2 = 4$



13) $x=5$

14) $10 = 4x - 6$
 $16 = 4x$
 $4 = x$

15) $x=8$

16) $x = 30^\circ$
 $y = 40^\circ$

17) $y = 90^\circ$
 $x = 55^\circ$

18) $x = 130^\circ$
 $y = 60^\circ$

19) $\frac{60}{360} \cdot 2 \cdot \pi \cdot 6 = 6.28 \text{ cm}$

20) - 29) lots of options