

Circles 2 - Answers

① a) $y=2$ b) $3y=7x-31$ c) $y=4x+6$

② Test, $(0,-1)$

③ a) $(x-4)^2 + (y-3)^2 = 25$ b) $(0,6)$ and $(4,-2)$

④ $k > 3$

⑤ a) AB $x=7$, AC $2y+3x=23$

b) $(x-7)^2 + (y-1)^2 = 26$

⑥ a) $y=4x-2$ b) Test

⑦ a) $(x-t)^2 + (y-0)^2 = 4$ b) $t = \sqrt{5}$

⑧ $c=14$ and $c=-6$