Practice Questions

Q3. Find the equation of the circle which touches the both axes in first quadrant and whose radius is a.

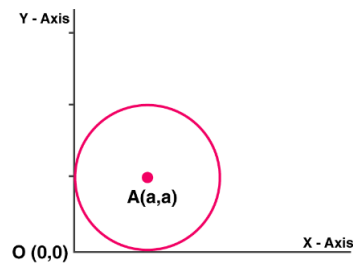**S3.** It can be done just by looking at the below picture,

Figure 1: Circle with radius a

Now we can write equation of the center,

$$(x - a)^2 + (y - a)^2 = a^2$$

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