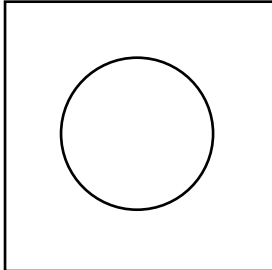
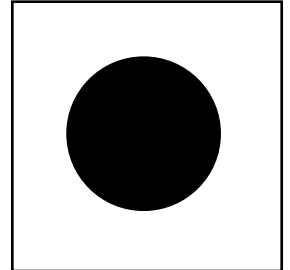


## Header Test



Manipulating raw fonts would be too complicated to render paragraphs of text. Trying to write an algorithm to fully justify text using proportional fonts is not trivial. Adding support for international characters adds to the complexity. That's why we will use the `TextLayout` and the `LineBreakMeasurer` class to render text. The `TextLayout` class offers a lot of functionality to render high quality text. This class is capable of rendering bidirectional text such as Japanese text where the alignment is from right to left instead of the North American style which is left to right. The `TextLayout` class offers some additional functionalities that we will not use in the course of this series. Features such as text input, caret positioning and hit testing will not be of much use when printing documents, but it's good to know that this functionality exists.



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