Programming in Java

Explain the following Java words. For each write a sentence giving an overview of what the word is about, then either write a second sentence that shows how it fits in with related concepts or write a small code-fragment to illustrate its purpose:

(a) abstract;
(b) assert;
(c) boolean;
(d) break;
(e) byte;
(f) case;
(g) catch;
(h) extends;
(i) new;
(j) null.

[2 marks each]

Please keep your explanations of each word brief so that your whole answer to this question remains a reasonable size: you are not expected to produce a detailed explanation or comprehensive illustration.