Pencil and Paper Assignment for Lesson 2.

① Ans:

socialSecurityStatus = (age > 65) ? "eligible" : "ineligible";

② Ans: String s = "a friendly face";

ⓐ s.charAt(2);
→ 'f'

ⓑ s.length()
→ 15

ⓒ s.substring(2,9) → "friendl"

s.substring(4) → "iendly face"

③ Ans:

ⓐ double A = Math.PI × Math.pow(r,2);

ⓑ double diag = Math.sqrt(Math.pow(len,2) + Math.pow(wid,2));

④ Ans:

ⓐ 3×5/9%2 → int, 1
ⓑ 4^3&5 → int, 5
ⓒ 13>>2<<2^4 → int, 8
ⓓ 32|16/3>>2&5 → int, 33

⑤ Ans: It would compile if the variable b has been declared before and the value assigned to a will be 5. otherwise, if b has not been declared before, it won't compile.