Questions 1-8 refer to the thyreophoran cladogram below. The skeletal restorations are approximately to scale.

Indicate where the following shared derived characters originate on the cladogram above:
1. Osteoderms
2. Obligate quadrupedality
3. Paired plates and spikes
4. Tail club
5. Thagomizer

Indicate where the following names belong on the cladogram above:
6. Thyreophora
7. Ankylosauria

8. What is the hypothesized diet of the dinosaurs in the cladogram above?
For questions 9-19, answer the questions referring to the illustrations immediately above them. Where given a choice in brackets, circle the correct answer.

9. The above tail (in dorsal view) is from a [ stegosaur | ankylosaurid | hadrosaurid ].
10. The primary function for this tail was [ to obtain food | as active defense | to help it run faster ].

11. The skull shown above is from a [ oviraptorosaur | coelophysoid | lambeosaurine ].
12. This taxon had a diet primarily of [ meat | plants | probably both meat and plants ].

13. The manus above is from a(n) [ tyrannosaurid | ornithomimosaur | hadrosauriform].
14. This taxon is a [ ceratosaur | carnosaur | coelurosaur ].
15. The skull above is from a [brachiosaurid | pachycephalosaur | ceratopsian].

16. What was the probable function of its thickened skull dome?

17. The skull above is from a [hadrosaurine | lambeosaurine | ceratopsine | centrosaurine].

18. The skull above is from an [marginocephalian | ornithopod | thyreophoran].

19. The skull above is from an [ornithischian | saurischian].

Extra Credit) The diet of the dinosaur shown above was most likely [meat | plants].

For questions 20-24, identify which of the skulls below is an iguanodontian, which is a macronarian, and indicate the toothless premaxilla and the dorsally-placed naris on the appropriate skull.
Questions 25-26 refer to the pelves below.

The pelves above are in left lateral view.

25. The [ left | right ] pelvis is from a saurischian.
26. The [ left | right ] pelvis is from an ornithischian.

Extra Credit) In one of these, the main shaft of the pubis points backwards. What is the likely function for the backwards pointing pubis in this group of dinosaurs?