**Question 1**

In the chest wall:

Select one:

a. The transversus muscle lies between the external and internal intercostals

b. The neurovascular bundle lies between the external and internal intercostals

c. The intercostal artery is more superficial than the vein

d. The intercostal artery lies between the intercostal nerve and the vein

Answer D. Moore 6th Edition pg 90 figure 1.15B

**Question 2**

Intercostal nerves:

Select one:

a. Arise from the posterior rami of the thoracic nerves

b. Lie inferior to the intercostal artery

c. Do not connect to the sympathetic chain

d. Run between the external and internal muscle layers

Answer B. Moore 6th Edition pg 92 figure 1.17

**Question 3**

Muscles of inspiration include all of the following EXCEPT:

Select one:

a. Diaphragm

b. Internal intercostal muscles

c. Subclavius

d. External intercostal muscles

Answer C. Moore 6th Edition pg 698 table 6.3 “anchors and depresses clavicle”

**Question 4**

Regarding the chest wall:

Select one:

a. The 5th posterior intercostal vein, artery and nerve run on the lower border of the 5th rib

b. The muscles of the outer thoracic wall layer are serratus posterior superior and serratus posterior inferior only

c. The 1st intercostal nerve supplies skin over the anterior chest wall

d. The intercostal artery runs between the external and internal intercostal muscles

Answer A. Moore 6th Edition pg 89 figure1.13

**Question 5**

Regarding the sternocostal joints:

Select one:

a. Most of these joints are primary cartilaginous

b. The manubrium and first ribs move independently

c. The first costal cartilage articulates with the xiphisternum

d. They are between the sternum and the costal cartilages

Answer D. Moore 6th Edition pg 81

**Question 6**

The following statements regarding the first rib are correct, except

Select one:

a. The subclavian artery lies in contact with the rib posterior to the scalene tubercle

b. The groove for the subclavian vein lies anterior to the attachment of scalenus medius

c. The scalene tubercle provides insertion for the scalenus anterior muscle

d. The sympathetic trunk crosses anterior to the neck of the rib

Answer A. Moore 6th Edition pg 75 figure 1.3

**Question 7**

Which is not a feature of a typical rib?

Select one:

a. There are 3 costotransverse ligaments

b. Intraarticular ligament attaches from horizontal ridge on the head, to the intervertebral disc

c. Medial facet of the tubercle faces backwards

d. Angle is the most posterior point

Answer C. Moore 6th Edition pg 75 figure 1.3

**Question 8**

Which is NOT true of the internal thoracic artery?

Select one:

a. At the costal margin it divides into the superior epigastric and musculophrenic arteries

b. It arises from the first part of the subclavian artery

c. It gives off 2 anterior intercostal arteries in each intercostal space

d. Perforating branches are especially large in the 5th and 6th spaces of the female

Answer D. Moore 6th Edition pg 95

**Question 9**

Which is true of the sternum?

Select one:

a. Sternohyoid attaches to the manubrium, below the 1st costal cartilage

b. Jugular notch lies at the level of T4

c. Posterior surface of the manubrium is completely covered with pleura

d. 2nd costal cartilage articulates separately with the manubrium and the body of the sternum

Answer D. Moore 6th Edition pg 78 figure 1.6B

**Question 10**

With regard to the cutaneous innervation of the thorax and abdomen

Select one:

a. Above the 2nd rib, the skin is supplied by the cervical plexus (C4)

b. T8 supplies skin at the level of the umbilicus

c. The lower 8 thoracic nerves pass beyond the costal margin to supply the skin of the abdominal wall

d. It is supplied segmentally by the anterior primary rami of T1 to L1

Answer A. Moore 6th Edition pg 93 figure 1.18