The Rotating Sky – Pretest

Answer the following questions.
Question 1: How much of the celestial sphere is visible for an observer at 0° S at any one instance? ________%

Question 2: To the nearest 30°, what is the altitude of the star shown to the right? _________________

Question 3: What is the coordinate feature indicated to the right?
   a) Zenith
   b) Nadir
   c) Meridian
   d) Vertical Circle
   e) Circle of constant altitude

Question 4: What is the latitude of the observer in the horizon diagram to the right? (Circle N or S)
   a) 0°
   b) 20° N / S
   c) 45° N / S
   d) 75° N / S
   e) 90° N / S
Question 5: The observer is looking east. Where is the observer?
   a) north pole  
   b) mid northern latitude  
   c) equator  
   d) mid southern latitude  
   e) south pole

Question 6: What region is indicated by the shaded region?
   a) Circumpolar  
   b) Rise and Set  
   c) Never-rise

Question 7: What is the rise and set declination range for an observer at 40° N?
   __________ to __________

Question 8: An observer at 15° S will see predominately what type of star?
   a) rise and set  
   b) circumpolar  
   c) never-rise