Study Guide - Milling

Multiple Choice
Identify the choice that best completes the statement or answers the question.

1. Which of the following is not true of peripheral milling?
   a. Also called "slab" milling
   b. Milled surface is perpendicular to the cutting axis
   c. Cuts with the periphery of the cutter
   d. Milled surface is parallel to the cutter axis

2. Using the formula rpm = 4V/D, convert following the cutting speed to rpm.
   Speed = 2000fpm
   Tool Diameter = 2.5"
   a. 320
   b. 3200
   c. .005
   d. 800

3. Which of the following is not a common type of milling machine?
   a. Vertical mill
   b. Horizontal mill
   c. Knee mill
   d. Runner-D mill

4. A precision work holding device which consists of a tapered feature which is segmented so that it centers and holds round stock when tightened. Specialized versions of these are also available in shapes for other than round stock. On a mill, these are used to hold tools.
   a. Compound Rest
   b. Chuck
   c. Collet
   d. Carriage
5. From the figure above, identify the ram.
   a. A  
   b. B  
   c. C  
   d. D

6. From the figure above, identify the saddle.
   a. A  
   b. B  
   c. C  
   d. D

7. From the figure above, identify the head.
   a. A  
   b. B  
   c. C  
   d. D

8. From the figure above, identify the knee.
   a. A  
   b. B  
   c. C  
   d. D

9. From the figure above, identify the table.
   a. A  
   b. B  
   c. C  
   d. D
10. From the figure above, identify the spindle.
   a. A  
   b. B  
   c. C  
   d. D