

Mil Fundamentals Worksheet

NAME:			Date:		
space p		of how much v	ve want you to write	to the shop to participate in for an answer. Please be as	_
closed t questio	ook environment, and the	en using a differ	rent pen color check y	a. Attempt to answer all of the our answers and answer unar ne questions before you can so	nswered
1. The t	able of a vertical milling m a) Column	nachine rests on b) Spindle	the: c) Saddle	d) Head	
	nany axes does a standard direction on the machine		ing machine have? W	hat are they and sketch their	orientation and
3. The n	nost commonly used work	holding device	on the vertical milling	g machine is a:	
	a) Hold down clamp	b) Vise	c) Rotary table	d) Dividing head	
4. To en	a) Use gage pins underne b) Mount the workpiece c) Use paper shims under	eath the paralle in the vice using rneath the para	ls 3 a bubble level. Ilels and underneath t	the moveable jaw, the best pr the workpiece e very tightly with a leverage	
5. List t a)	ne appropriate operations Two-flute square endmi		for each of the followi	ng tools:	
b)	Four-flute square endmi	II:			
6. Whic	h of the following describ a) Raise the table and ch b) Stop the machine, deb	eck the dimensi	on	g a part on the milling machin	e?



· ·	•	with compressed air, debu ush chips clear, stop the m	
7. An edge finder has a tip diar edge finder to the edge of the		at distance must the table	e move to align the center of the
a) 0.200 inches	b) 0.100 inches	c) 0.400 inches	d) 0.050 inches
b) The milling machi	ne is capable of greater ac	curacy	of drill press?
9. Which of the following best in your answer that would be a) Layout, center drill b) Drill, center drill, la c) Layout, center pur d)Center drill, drill, la	unnecessary for drilling w l, center punch, drill ayout, center punch ach, center drill, drill	_	rill press? Also, circle the operations
10. The cutting speed (in rotate) a) The type of mater b) The size of the ver c) The rigidity of the d) Number of cutting	ial being machined tical milling machine workholding device	nined by:	
11. Feed rates for milling opera a) Inches per revoluti b) Feet per minute c) Meters per millime d) Inches per minute	on	·	
a) Using a brush to cl			erating a vertical milling machine?

c) Reaching over a revolving cutter

d) Using the speeds and feeds appropriate for the machine