

Homework - Mechanical Hardware

Student Name _____ Date: _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) The difference between a screw and a bolt is: 1) _____
A) Class of thread B) Head shape C) Length D) Application

- 2) Cap screws are: 2) _____
A) Square headed
B) The same as machine screws
C) Precision screws
D) Also called machine bolts

- 3) Set screws are used: 3) _____
A) To secure pulleys to shafts
B) Because they are soft
C) In place of machine screws
D) Because they have hex heads

- 4) Thread forming screws are used because: 4) _____
A) Of their appearance
B) They eliminate the need for tapping
C) They are light
D) They are small

- 5) A regular nut is: 5) _____
A) Thinner than their size designation
B) Hardened
C) Slotted
D) Thinner than a jam nut

- 6) To protect the end of a threaded rod, use a: 6) _____
A) Pipe cap
B) Cap nut
C) Plastic tube
D) Thread protector

- 7) An external type tooth lock washer: 7) _____
A) Provides less friction than an internal tooth lock washer
B) Is used only with 82 degree flat head screws
C) Provides more friction than an internal tooth lock washer
D) Provides the same friction as an internal tooth lock washer

- 8) Dowel pins are: 8) _____
A) Heat treated and precision ground
B) Made from dowel stock
C) Painted
D) Made from brass

- 9) A bearing is often held on a shaft with a (an): 9) _____
A) Knurled surface
B) Bearing holder
C) Bearing glue
D) Internal retaining ring

- 10) Where extremely heavy shock loads or high torques are encountered, use a: 10) _____
A) Feathered key
B) Lock washer
C) Tapered key
D) Heavy duty Woodruff key