Trainee Name: _____

Social Security Number: _____ **Date:** _____

____ 1. The result of two kick bends in opposite directions in a conduit run will produce a(n) _____.

a. offset
b. sweep bend
c. concentric bend
d. hickey

____ 2. The two dimensions an electrician must know when making a 90° stub bend are the _____.

a. conduit diameter and rise
b. bend radius and conduit diameter
c. desired rise and take-up distance
d. take-up distance and conduit diameter

____ 3. Portable mechanical conduit benders can be used as one-shot benders on _____.

a. rigid conduit only
b. PVC conduit
c. smaller sizes of conduit
d. intermediate metal conduit only

____ 4. When making offset bends, the two kicks must be made perfectly parallel or the resulting offset will have a _____.

a. gain
b. dog leg
c. hickey
d. kick

____ 5. When making bends on short lengths of conduit, the shoe may be prevented from creeping by _____.

a. clamping the conduit
b. screwing a coupling on the conduit
c. filing a rough surface on the conduit
d. wrapping a rag around the conduit

____ 6. Springback is a term used to describe the _____.

a. return of the bender shoe to its normal position after a bend
b. reaction of a power bender after the machine is jogged
c. tendency of the conduit to relax to a bend angle slightly less than that indicated on the bender pointer when the bender is released
d. amount of take-up required for a sweep bend

____ 7. The two types of shoes used in hydraulic bends are the _____ shoes.

a. one-shot and segment
b. concentric and sweep
c. axial and radial
d. EMT and rigid

____ 8. To prevent a one-shot bending shoe from digging in when bending rigid aluminum, you should _____.

a. use a size larger diameter shoe than the conduit
b. coat the conduit with WD-40® or petroleum jelly
c. operate the hydraulic pump rapidly
d. wrap the conduit with rags

____ 9. When making concentric bends, the _____ bend should be made first.

a. innermost
b. outermost
c. center
d. lateral

____ 10. Hydraulic benders are capable of bending rigid pipe up to and including _____ in diameter.

a. 2½"
b. 3"
c. 4"
d. 6"