

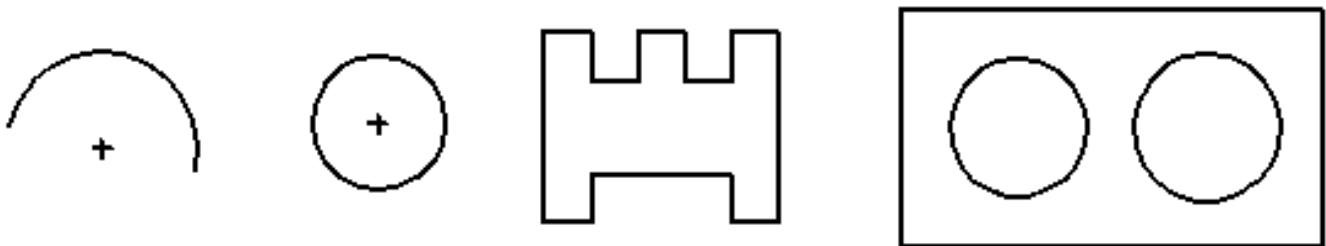
Last Name:	
First Name:	
Class:	
Grade:	Converted to Final Grade:

Beginning Engineering Graphics
Instructor: Edward N. Locke

Quiz 5: Dimensioning

- (1) Circle all correct statements on principles of dimensioning:
1. Crossing of dimension lines should be avoided as much as possible.
 2. Sometimes, you can place dimension figures on the object lines without using dimension lines or extension lines.
 3. The overall dimension should always be farthest from the object, and the smallest dimensions should be placed closest to the object.
 4. Extension lines can occasionally cross object lines if absolutely necessary.
 5. Extension lines may cross each other but should be broken with a gap at crossing point.
 6. Extension lines may cross each other and should never be shortened or broken with a gap.
 7. Dimensions should be attached directly to the view that shows the contours of the object in true shape and size.
 8. Duplicate or unnecessary dimensioning should always be avoided.
 9. The unidirectional system of dimensioning which places all dimensions parallel with the bottom of the drawing is preferred over the aligned system.
 10. In fillets and rounds dimensioning, only a few typical radii are needed, and in case all radii are same size, a general note can replace dimensions.
 11. ALL DRAFT ANGLES 5° UNLESS OTHERWISE SPECIFIED is a local note; 1/4 x 30° CHAMFER is a general note.
 12. Conversion tables can be used for dual dimensioning.

(2) Sketch dimensions on the following objects:



(3) Circle the letter representing correct dimensioning practice:

