1.	The revolving triangle method of drawing lines enables one to draw:
	(a) A line parallel to another line
	(b) A line at an angle with another line
	(c) A line bisecting another line
	(d) A line perpendicular to another line
2.	Using a T-square and a 45° and a 30°-60° triangle, a student may draw lines at any angle which is a multiple of:
	(a) 5°
	(b) 10°
	(c) 15°
	(d) 20°
3.	The heaviest lines in any drawing are:
	(a) Construction lines
	(b) Dimension lines
	(c) Object lines
	(d) Hidden lines
4.	A drawing pen is checked for dullness by:
	(a) Using a micrometer
	(b) The reflection method
	(c) Cutting paper with one blade
	(d) Running blade across fingertips
5.	On a topographic map a canal would be classified as:
	(a) Culture
	(b) Hydrography
	(c) Relief
	(d) Vegetation
6.	When the scale of a topographic map is 1 in. equals 2000 ft. the representative fraction is:
	(a) 1:62,500
	(b) 1:24,000
	(c) 1:2,400 -

(d) 1:31,680

1.	(d); 2. (c); 3. (c); 4. (b); 5. (b); 6. (b)	Pa
7.	The most likely contour interval on a large-scale topographic map of flat country would be:	:
	(a) 2 ft.	
	(b) 10 ft.	
	(c) 20 ft.	
	(d) 100 ft.	
8.	The type of lettering most often used in highway drawing is:	
	(a) Modern roman	
	(b) Commercial gothic	
	(c) Old English	
	(d) Old roman	
9.	The first item inked on a tracing is:	
	(a) Straight horizontal lines	
	(b) Circles	
	(c) Cross-hatching	
	(d) Lettering	
LO.	The projection used for a U.S.G.S. topographic map is:	
	(a) Mercator	
	(b) Polyconic	
	(c) Gnomonic	
	(d) Stereographic	
11.	The shape of a U.S.G.S. topographic map with a scale of 1:24,000, covering an area of $0^{\circ}7'30''$ of latitude and of longitude, is:	
	(a) Square	
	(b) Rectangular	
	(c) Parallelogram	
	(d) Rhombic	
12.	The planimetric map shows only:	
	(a) Drainage	
	(b) Culture	
	(c) Drainage and culture	
	(d) Drainage, culture, and relief	

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13.	The topography, referenced by a field surveyed base line, is plotted by using:
	(a) A protractor
	(b) A linear plotter
	(c) Tangent offsets
	(d) Perpendicular lines to the base line
14.	The rodreadings of the level survey are plotted on the cross-sections after the height of instrument has been:
	(a) Added
	(b) Subtracted
	(c) Divided
	(d) Multiplied
15.	The scale for the general highway plan for a rural highway is usually made at:
	(a) 1 in. = 10 ft.
	(b) 1 in. = 20 ft.
	(c) 1 in. = 50 ft.
	(d) 1 in. = 100 ft.
16.	The size ratio of the capital "W" to the capital "M" is:
	(a) 8 to 7
	(b) 8 to 6
	(c) 8 to 6-1/2
	(d) 8 to 5-1/2
17.	An item not classified as special equipment is a:
	(a) Beam compass
	(b) Contour pen
	(c) Railroad pen
	(d) Erasing shield