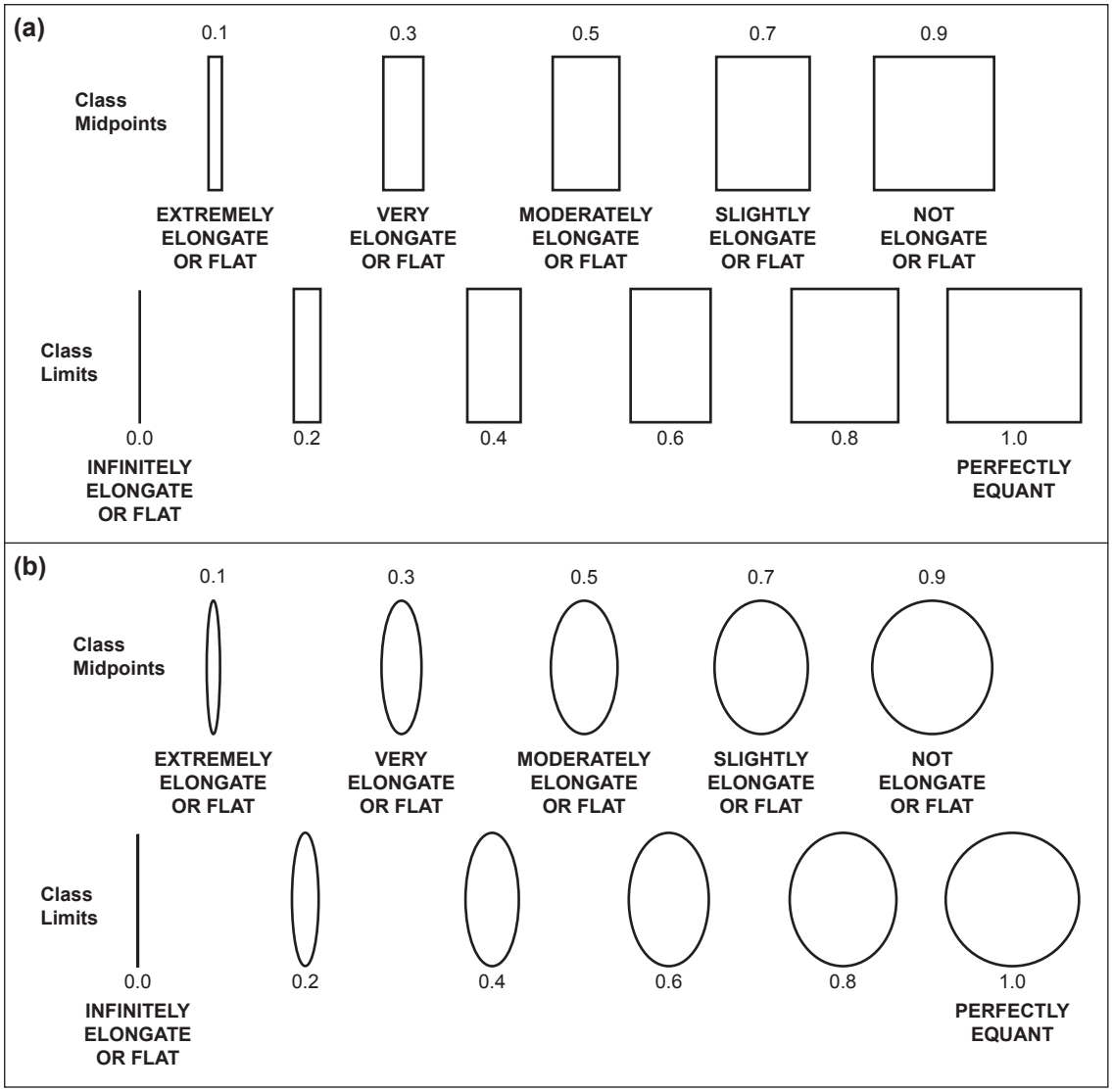
Visual comparator for the estimation of particle elongation and/or flatness

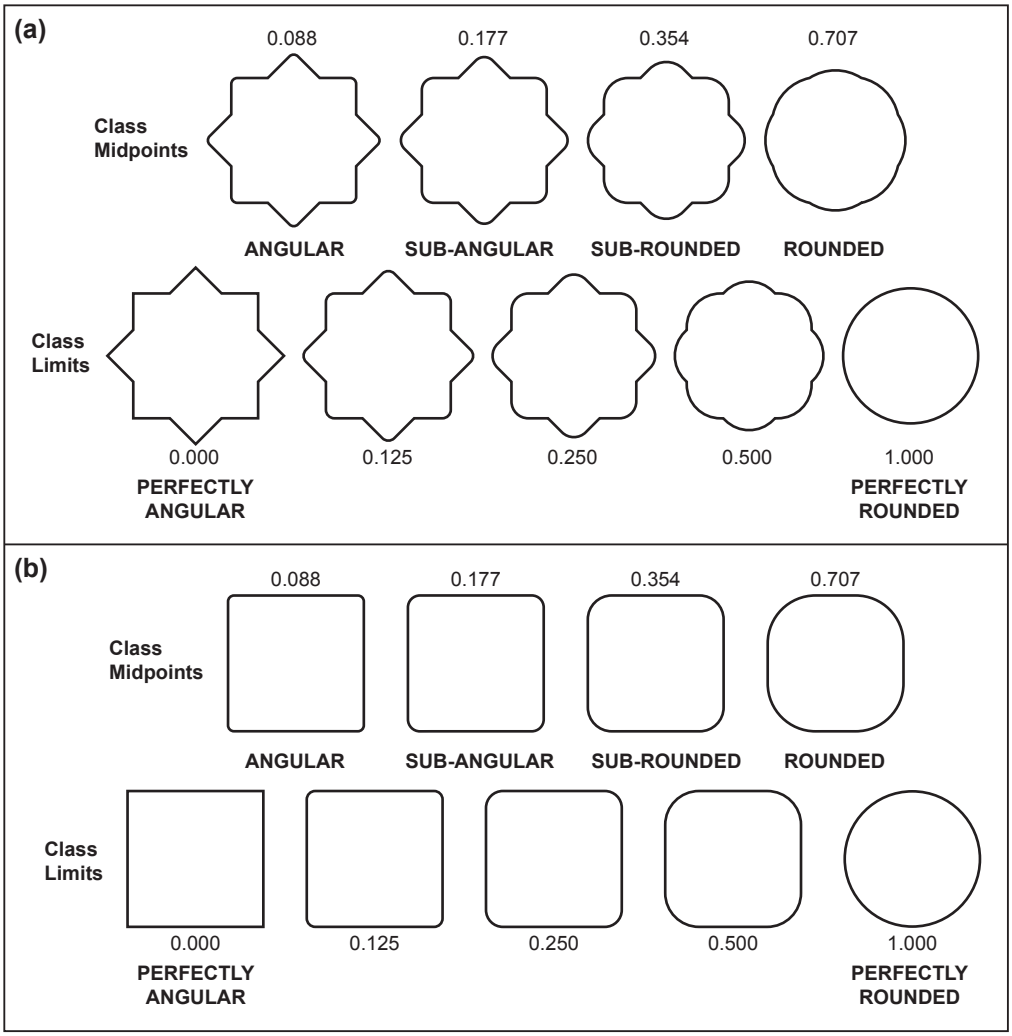


Examples shown for (a) rectangles and (b) ellipses.

Elongation			Flatness		
I/*L*	Code	Term	*S*/*I*	Code	Term
0.0 – 0.2	5	Extremely elongate	0.2 – 0.0	5	Extremely flat
0.2 – 0.4	4	Very elongate	0.4 – 0.2	4	Very flat
0.4 – 0.6	3	Moderately elongate	0.6 – 0.4	3	Moderately flat
0.6 – 0.8	2	Slightly elongate	0.8 – 0.6	2	Slightly flat
0.8 – 1.0	1	Not elongate	1.0 – 0.8	1	Not flat

Published in: Blott, S.J. and Pye, K. (2008) Particle shape: a review and new methods of characterization and classification. *Sedimentology* 55, 31-63.

Visual comparator for the estimation of particle roundness

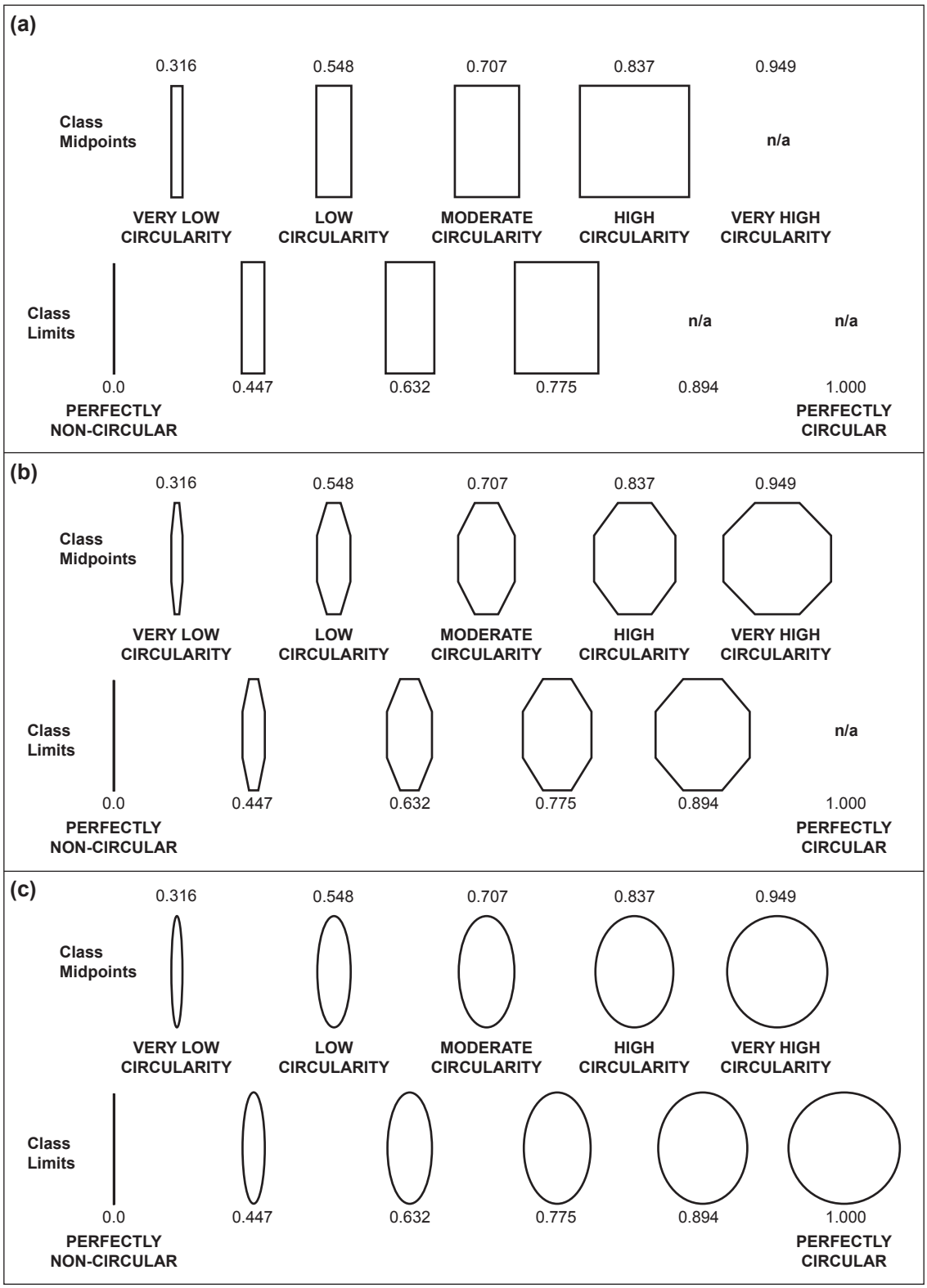


Examples shown for (a) eight-pointed star, and (b) square.

	Roundness (as defined by Wadell, 1932)	
	Class Limits	Geometric Mid-Point
Angular	0-0.125	0.09
Sub-angular	0.125-0.250	0.18
Sub-rounded	0.250-0.500	0.35
Rounded	0.500-1.000	0.71

Published in: Blott, S.J. and Pye, K. (2008) Particle shape: a review and new methods of characterization and classification. *Sedimentology* 55, 31-63.

Visual comparator for the estimation of particle circularity (in two-dimensions) and sphericity (in three-dimensions)

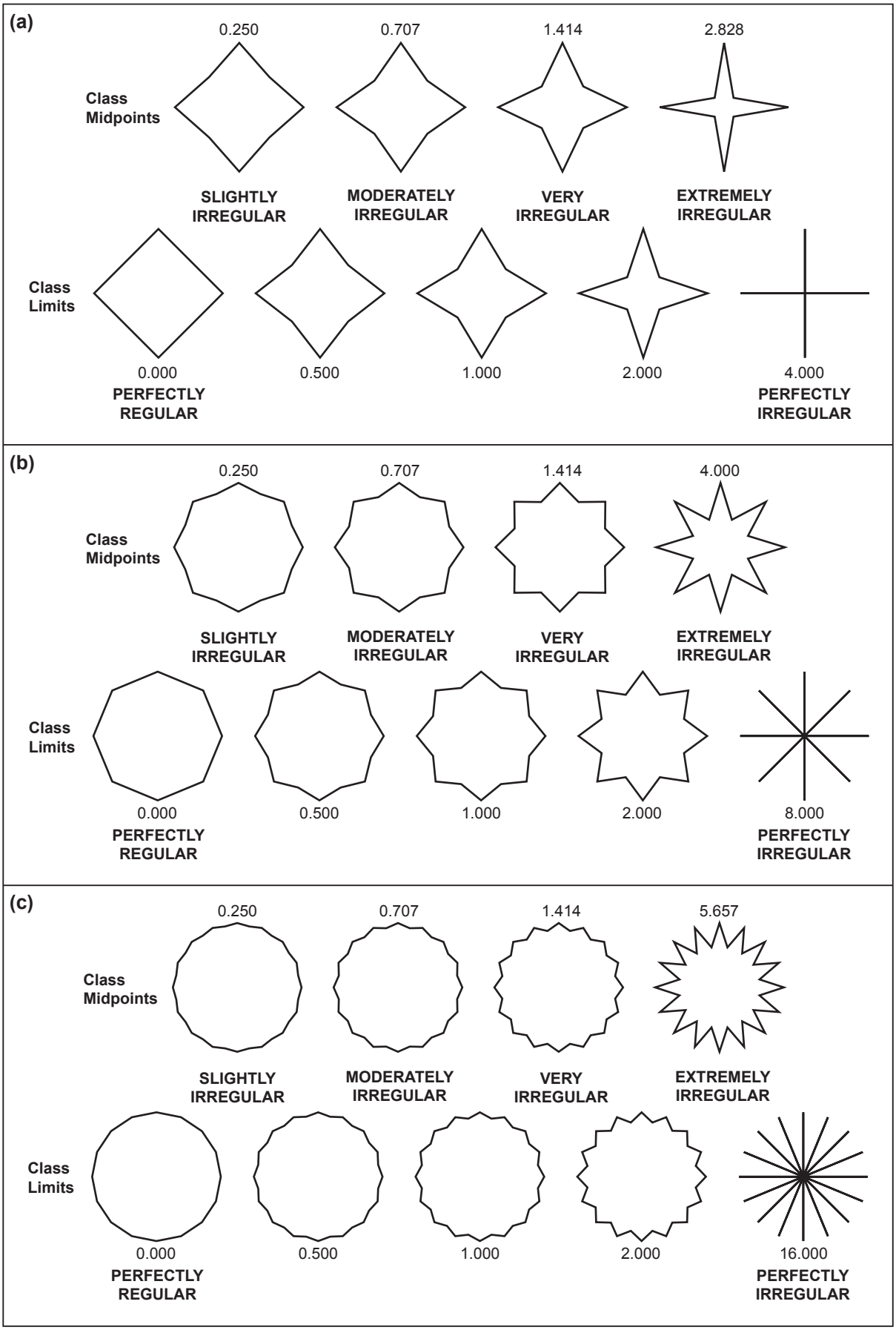


Examples shown for (a) rectangle, (b) octagon, and (c) ellipse, which have maximum circularities of 0.841, 0.961 and 1.000 respectively.

	Circularity (as defined by Riley, 1941)	
	Class Limits	Geometric Mid-Point
Very high circularity/sphericity	0.894 – 1.000	0.949
High circularity/sphericity	0.775 – 0.894	0.837
Moderate circularity/sphericity	0.632 – 0.775	0.707
Low circularity/sphericity	0.447 – 0.632	0.548
Very low circularity/sphericity	0.000 – 0.447	0.316

Published in: Blott, S.J. and Pye, K. (2008) Particle shape: a review and new methods of characterization and classification. *Sedimentology* 55, 31-63.

Visual comparator for the estimation of particle irregularity



Examples shown for (a) four-pointed star; (b) eight-pointed star; and (c) sixteen-pointed star. See reference below for an explanation as to how irregularity is defined and measured.

Published in: Blott, S.J. and Pye, K. (2008) Particle shape: a review and new methods of characterization and classification. *Sedimentology* 55, 31-63.