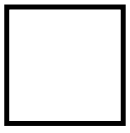
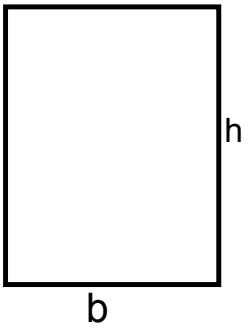
14.1 Area

Area--2-d measurement of space inside 2-d shapes (or on the outside of a 3-d shape)

(a) square

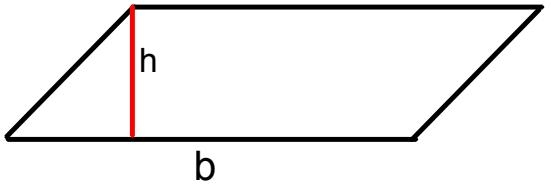


(b) rectangle

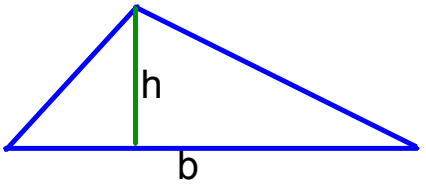


(break into squares)

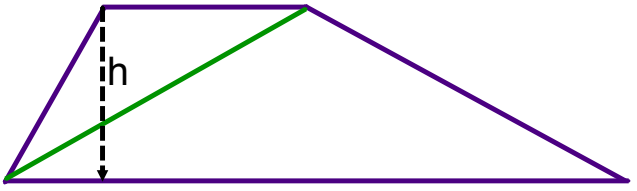
(c) parallelogram



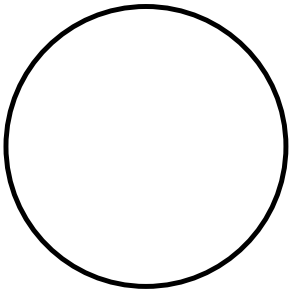
(d) triangle

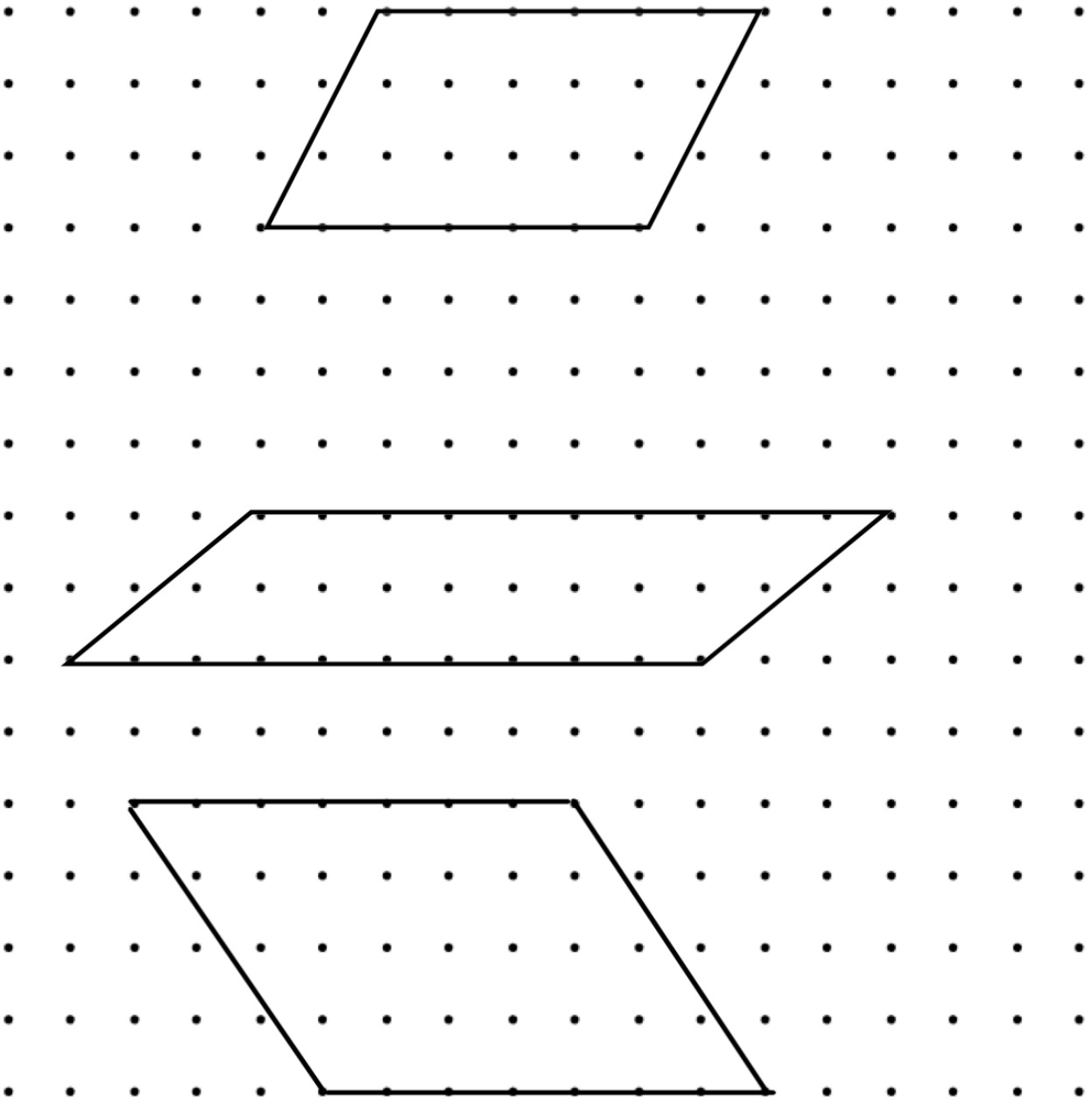


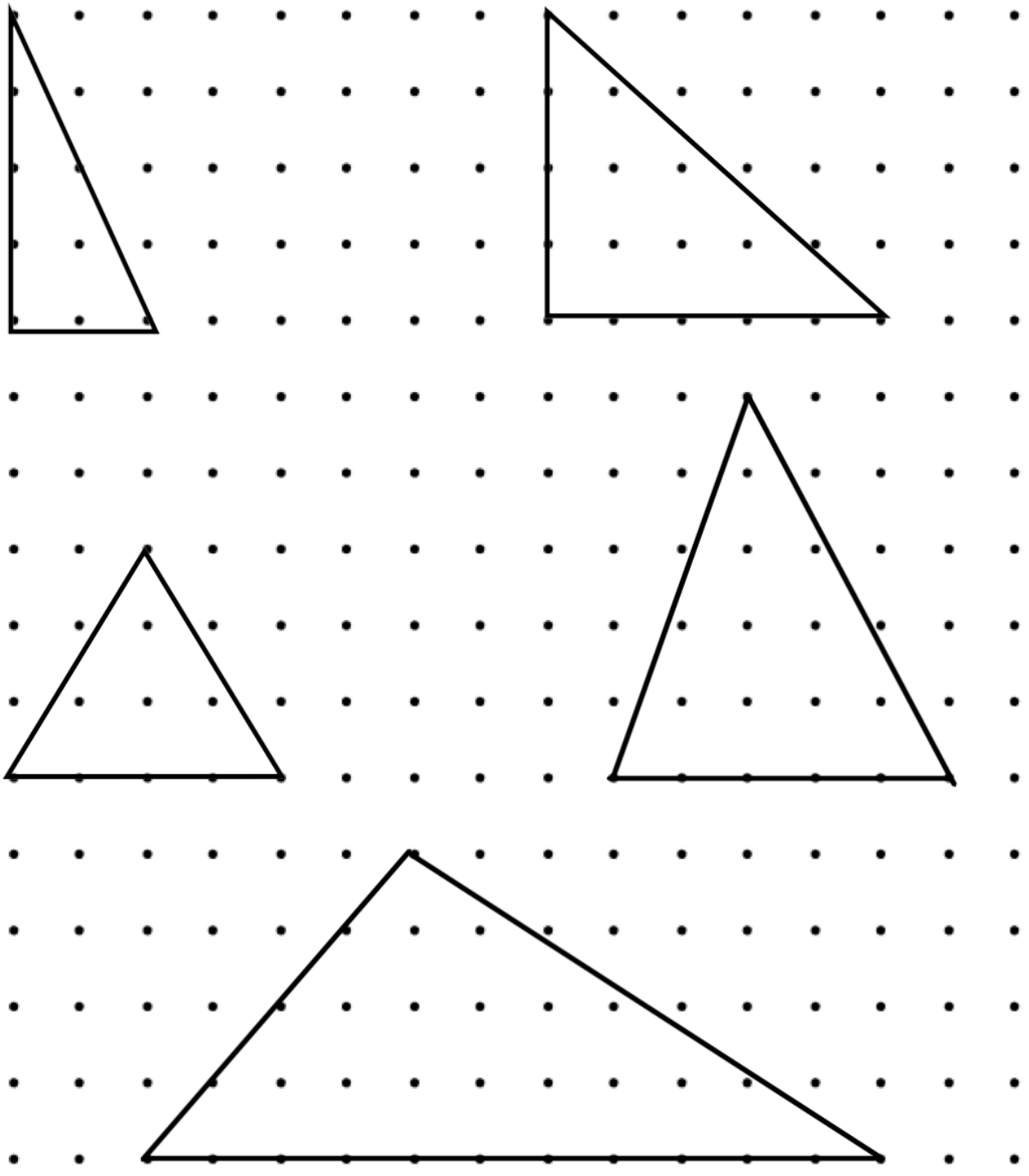
(e) trapezoid

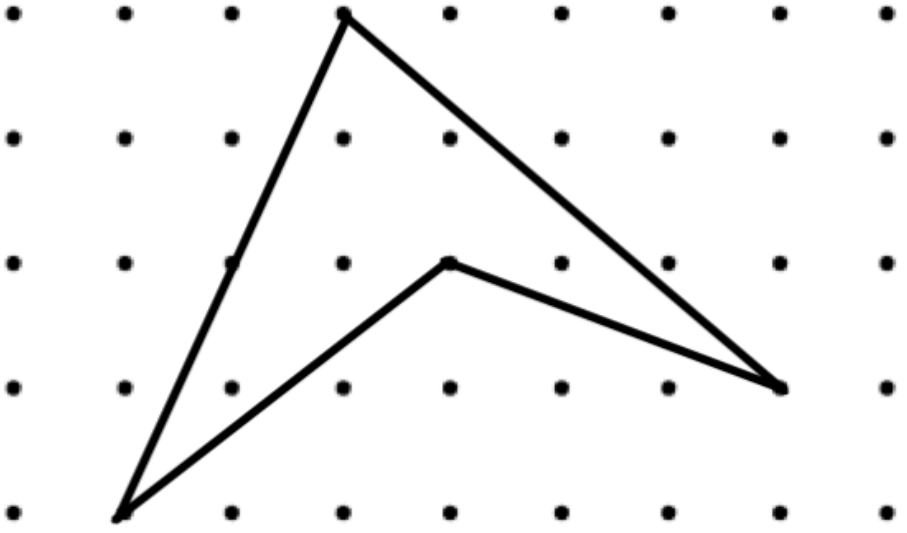


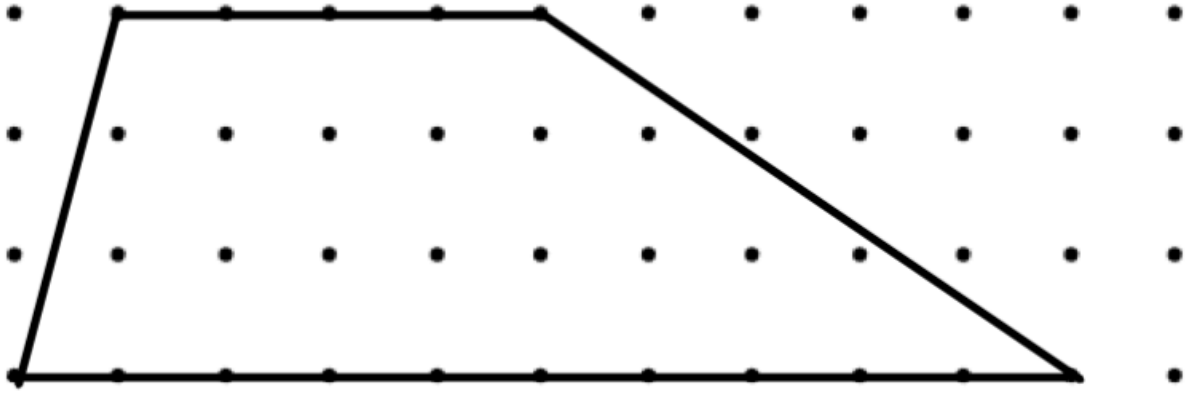
(f) circle





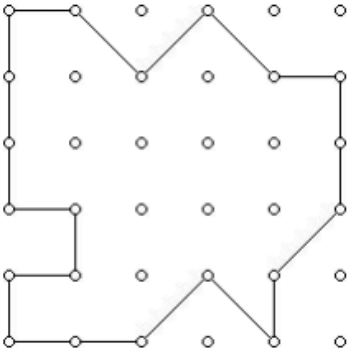


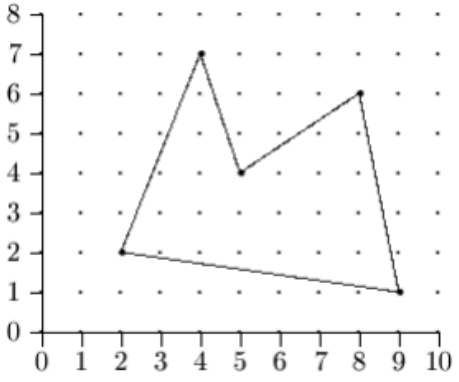




Area and Perimeter

Find the area and perimeter of the lattice polygons:





measurement units of area

1. How many square inches in a square foot?

2. Compute the following:

(a) 450 square yards = _____ sq. inches

(b) 12 sq. miles = _____ acres

(note: 1 acre = 0.0015625 sq miles)

(c) 800 sq. cm = _____ sq. m

3. If one rectangle's sides are twice as big as another similar rectangle, what is the scaling factor of their areas? (In other words, if the length scaling factor is 2, what is the area scaling factor?)