

Problem of the Block - Block 1



Congruent decompositions

Divide each shape below into three congruent pieces.
(The first one is done already.)

1) 	2) 	3) 	4)
5) 	6) 	7) 	8)
9) 	10) 	11) 	12)
13) 	14) 	15) 	16)

Turn in solutions to Dr. S in Law 204 or by email at tskorczewski@cornellcollege.edu by October 2, 2016. Solutions for only one/some questions or partial solutions will receive credit (and are encouraged!). You can turn in a solution to just one puzzle and turn in a solution to another one on a different day. Submitting solutions for the Problem of the Block can earn culture points toward the major in mathematics. For more information about the Problem of the Block, including the current leader board for the yearly competition, and to print off your own copy visit <http://www.cornellcollege.edu/mathematics/problem-of-the-block/index.shtml>.