

Similar Triangles Stations

Name Key
 Date _____ Block _____

Problem #	Triangles similar by...	Similarity Statement
1	Not Similar	—
2	SSS ~	$\triangle CBA \sim \triangle FGH$
3	SAS ~	$\triangle VUT \sim \triangle VLM$
4	AA ~	$\triangle JKL \sim \triangle TUV$
5	Not Similar	—
6	Not Similar	—
7	SSS ~	$\triangle TUV \sim \triangle QRS$
8	Not Similar	—
9	AA ~	$\triangle HGF \sim \triangle HTS$
10	SAS ~	$\triangle FGH \sim \triangle UVW$
11	SSS ~	$\triangle FED \sim \triangle RPS$
12	SAS ~	$\triangle TUV \sim \triangle CDE$
Problem #	Proportion	Solution
13	$\frac{70}{50} = \frac{11x-4}{60}$	$x=8$
14	$\frac{11x+11}{30} = \frac{77}{21}$	$x=9$
15	$\frac{36}{96} = \frac{-4+4x}{64}$	$x=7$
16	$\frac{88}{24} = \frac{5x+11}{18}$	$x=11$