NAME:_____

1. △ *FGH* ≅ △ *HIJ*. List all the corresponding equal parts.
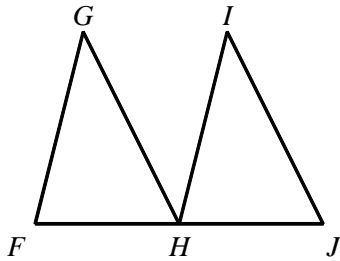
2. △ *KLM* ≅ △ *ONM*. List all the corresponding equal parts.
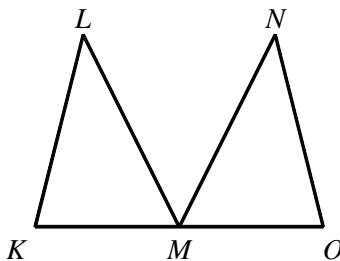
3. If △ *ABC* ≅ △ *DEF*, *AB* = 18 cm, ∠*ABC* = 47°, and ∠*DFE* = 13°, which of the following statements is false?

   [A] ∠*B* ≅ ∠*D*   [B] ∠*CAB* = 120°   [C] $\overline{AC}$ ≅ $\overline{DF}$ [D] *ED* = 18 cm

4. △*ABC* is congruent to △*MNO* . Find the coordinates of point *O*.
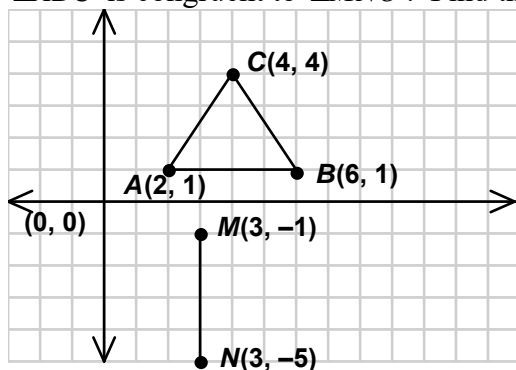
5. Tell whether the polygons are congruent, similar, or neither.
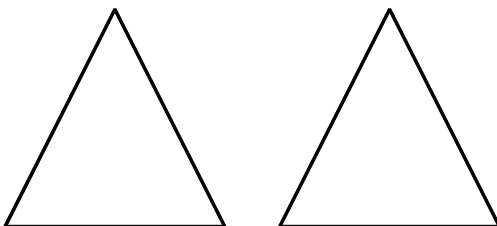
[1] $\angle F = \angle IHJ, \angle G = \angle I, \angle FHG = \angle J$
$FG = HI, FH = HJ, GH = IJ$

[2] $\angle K = \angle O, \angle L = \angle N, \angle KML = \angle OMN$
$KL = ON, KM = OM, LM = NM$

[3] A

[4] $(6, -3)$ or $(0, -3)$

[5] congruent