Problem Set #12

Name:_____

Period:

Geometry 2nd Semester

1. Point *R*(*x*, *y*) moves 7 units left and 3 units up. What is a rule that describes this translation?

Draw the image of each figure for the given transformation.

2. $T_{<3, 2>}(\Delta ABC)$





4. The point (1, 1) is the image under the translation $T_{<3, -3>}$. What is the *pre-image* of this point?



7. Δ*ABC* has vertices *A*(2, 1), *B*(2, 3), *C*(4, 1)

Graph $r_{(180^\circ, O)}(\Delta ABC)$.											
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<u>In 8-10</u> find the area of the regular polygons. Round your answer to the nearest <u>whole number</u> <u>or leave in radical form.</u>



apothem =15 cm



Perimeter=30 ft

11.



