Geometry (E) Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.3 – Translations and Reflections Practice Period: \_\_\_\_

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| --- | --- |
|  | 1.)  A’( , ) B’( , ) C’( , )  This is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .  Mark as many as apply   1. Translation 2. Vertical reflection about a vertical line 3. Horizontal reflection about a horizontal line 4. Vertical reflection about a horizontal line 5. Horizontal reflection about a vertical line 6. NONE of these   If a reflection, then state the equation of the line of reflection:  If a translation, then state the translation rule in vector form: |
|  | 2.) Reflect  over the line y = x.  A’( , ) B’( , ) C’( , )  If we reflect about y = x, then the transformation can be written as |
|  | 3.) Reflect  over the line y = -x.  A’( , ) B’( , ) C’( , )  If we reflect about y = -x, then the transformation can be written as |
|  | 4.) Reflect about the line x = -3,  then apply < 2, -6> to .  A’( , ) B’( , ) C’( , )  A’’( , ) B’’( , ) C’’( , ) |
|  | 5.) Apply < 8, -5> to ,  then reflect about the line y = 2.  A’( , ) B’( , ) C’( , )  A’’( , ) B’’( , ) C’’( , ) |
|  | 6.) Reflect  about the line y = x,  then translate it under the rule .  A’( , ) B’( , ) C’( , )  A’’( , ) B’’( , ) C’’( , ) |