Skills 3-2 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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|  | Example | Problem |
| 1 | (2xy4)(4x2y7)  8x3y11 | (4c3d5)(5cd2) |
| 2 | (a-4a-3)-2  (a-7)-2  a14 | (x-2x-3)-5 |
| 3 |  |  |
| 4 |  |  |
| 5 | c7 |  |

|  |  |  |
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|  | Example | Problem |
| 6 | 1.45 x 105 |  |
| 7 | 1.9 x 103 |  |
| 8 | Find the coordinates of triangle ABC after a translation (2, -3).  A (-3, -4) 🡪 A’ (-1, -7)  B (-5, 0) 🡪 B’ (-3, -3)  C (-7 -1) 🡪 C’ (-5, -4) | Find the coordinates of triangle ABC after a translation (-3, 4).  A (1, 5)  B (3, 1)  C (4, 3) |
| 9 | Find the coordinates of triangle DEF after a reflection over the y-axis.  D (1, 8) 🡪 D’ (-1, 8)  E (2, 4) 🡪 E’ (-2, 4)  F (4, 7) 🡪 F’ (-4, 7) | Find the coordinates of triangle DEF after a reflection over the y-axis.  D (-8, -6)  E (-5, -3)  F (-3, -4) |
| 10 | Find the coordinates of triangle GHI after a dilation k = 2.  G (3, -1) 🡪 G’ (6, -2)  H (5, 2) 🡪 H’ (10, 4)  I (7, -3) 🡪 I’ (14, -6) | Find the coordinates of triangle GHI after a dilation k = 3.  G (1, -2)  H (-2, 1)  I (-3, 0) |