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| **7-6-3-10**  **EXIT TICKET 3**  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **7-6-3-10**  **EXIT TICKET 3**  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Figure A**  **Figure B**  Z  4 cm  6 cm  Y  12 cm  16 cm  8 cm  X       1. **Figures A and B are similar. List 3 things you should check if you had to determine this yourself. Be specific.**  * \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ * \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ * \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  1. **What is the scale factor from A to B?** \_\_\_\_\_\_\_\_\_\_ 2. **What is the scale factor from B to A?** \_\_\_\_\_\_\_\_\_\_ 3. **Find the missing lengths.**   **X =** \_\_\_\_\_\_\_\_\_\_ **Y =** \_\_\_\_\_\_\_\_\_\_ **Z =** \_\_\_\_\_\_\_\_\_\_ | **Figure A**  **Figure B**  Z  4 cm  6 cm  Y  12 cm  16 cm  8 cm  X   1. **Figures A and B are similar. List 3 things you should check if you had to determine this yourself. Be specific.**  * \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ * \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ * \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  1. **What is the scale factor from A to B?** \_\_\_\_\_\_\_\_\_\_ 2. **What is the scale factor from B to A?** \_\_\_\_\_\_\_\_\_\_ 3. **Find the missing lengths.**   **X =** \_\_\_\_\_\_\_\_\_\_ **Y =** \_\_\_\_\_\_\_\_\_\_ **Z =** \_\_\_\_\_\_\_\_\_\_ |

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| **7-6-3**  **EXIT TICKET 3**  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **7-6-3**  **EXIT TICKET 3**  Name: **ANSWER** **KEY** |
| **Figure A**  **Figure B**  Z  4 cm  6 cm  Y  12 cm  16 cm  8 cm  X       1. **Figures A and B are similar. List 3 things you should check if you had to determine this yourself. Be specific.**  * \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ * \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ * \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  1. **What is the scale factor from A to B?** \_\_\_\_\_\_\_\_\_\_ 2. **What is the scale factor from B to A?** \_\_\_\_\_\_\_\_\_\_ 3. **Find the missing lengths.**   **X =** \_\_\_\_\_\_\_\_\_\_ **Y =** \_\_\_\_\_\_\_\_\_\_ **Z =** \_\_\_\_\_\_\_\_\_\_ | **Figure A**  **Figure B**  Z  4 cm  6 cm  Y  12 cm  16 cm  8 cm  X   1. **Figures A and B are similar. List 3 things you should check if you had to determine this yourself. Be specific.**  * **Figures A and B must have the same general shape** * **All pairs of corresponding sides must have the same ratio (or scale factor)** * **All pairs of corresponding angles are equal**  1. **What is the scale factor from A to B? ¼ or 0.25** 2. **What is the scale factor from B to A? 4** 3. **Find the missing lengths.**   **X =** **24 cm Y = 3 cm Z =** **2 cm** |