Standard 8.EE.7 **1.5 Literal Equations and Formulas** Unit 1 Day 5

*SWBAT rewrite and use literal equation and formulas.*

**Example 1: Solving for a variable (your answer will have a variable in it!)**

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| 1. Solve for **c**.
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|  |  |
| 1. Solve 3x – 4y = 7 for **y**.
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|  |  |
| 1. Solve  for **b**.
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|  |  |
| 1. Solve E=mc2 for **m**.
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|  |  |

**Example 2: Using Formulas**

The formula C = 2πr represents the circumference of a circle where r is the radius.

1. Solve the formula for **r**.
2. If an airplane could fly around the earth at the equator without stopping, it would have traveled about 24,900 miles. Find the radius of the earth.

7 ft

18 ft

Find the area of the triangle below. A = ½ bh

h

1. Solve the formula for **h**.

b

1. What is the height of a triangle with an area of 28 square feet and a base of 8 feet?

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| **Literal Equations Scavenger Hunt**Show your work in the spaces below! |  |
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