7.G Take Home Quiz Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

| Grid | Problem | Work |
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|  | The circumference of a circle is 144 meters. What is the radius of the circle to the nearest whole number? |  |
|  | Find the value of *a* if the perimeter of the figure below is 41 units.  4a + 5    15 - a |  |
|  | What is the area of the window below to the nearest TENTH?  14ft  12 ft |  |
|  | What is the area of a circle with a diameter of 25 inches? |  |
|  | How many square feet of fabric would be needed for a tent (triangular prism) if its base measures 4ft, the height is 5ft, and the length is 8ft? |  |