Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_

**8.0A Area of Composite Figures\_Classwork**

*Objective: find the area of composite figures by applying the area of basic shapes.*

*HW: Login BIM and complete 5 problems from “Chapter 8 What You Learned Before.” Show work on this worksheet.*

**Find the area of each composite shape**

|  |  |  |
| --- | --- | --- |
| **EXAMPLE 1**Area of Rectangle: $4∙3=12 yd^{2}$Area of Rectangle: $6∙5=30 yd^{2}$Total: $42 yd^{2}$ | **EXAMPLE 2**Area of Rectangle: $4∙6=24 cm^{2}$Semi-circle: $\frac{\left(3.14\right)∙2^{2}}{2}=6.28 cm^{2}$Total: $≈30.28 cm^{2}$ | **EXAMPLE 3**Area of Triangle: $\frac{3∙10}{2}=15 in^{2}$Area of Square: $10∙10=100 in^{2}$Total: $115 in^{2}$ |

Find the area of each figure.

|  |  |
| --- | --- |
|  |  |
|  |  |

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**Find the area of each circle.**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | 2. | 3. | 4. |
| 5. Find the area of the shaded region. **TA: C:\replacearts\Blue Record and Practice Journal\Blue Chapter 8 RPJ\Arts\PNGs\mscc8_rpj_0800_13.png** |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_

**8.0A Area of Composite Figures\_Classwork (7th Grade ACC)**

*Objective: find the area of composite figures by applying the area of basic shapes.*

*HW: Login BIM and complete 5 problems from “Chapter 8 What You Learned Before.” Show work on this worksheet.*

**Find the area of each composite shape**

|  |  |  |
| --- | --- | --- |
| **EXAMPLE 1**Area of Rectangle: $4∙3=12 yd^{2}$Area of Rectangle: $6∙5=30 yd^{2}$Total: $42 yd^{2}$ | **EXAMPLE 2**Area of Rectangle: $4∙6=24 cm^{2}$Semi-circle: $\frac{\left(3.14\right)∙2^{2}}{2}=6.28 cm^{2}$Total: $≈30.28 cm^{2}$ | **EXAMPLE 3**Area of Triangle: $\frac{3∙10}{2}=15 in^{2}$Area of Square: $10∙10=100 in^{2}$Total: $115 in^{2}$ |

Find the area of each figure.

|  |  |
| --- | --- |
|  |  |
|  |  |

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1) Find the area of the shaded region 2) Find the area of the shaded region.

 if the big diameter is 12 in, and the

 small diameter is 8 in.

3) Find the area of the shaded region: 4) Find the area of the shaded region

