

Homework solutions...

$$1. A = b \times h \\ = (3)(3) \\ = 9 \text{ ft}^2$$

$$2. A = \frac{bh}{2} \\ = \frac{(9)(7.2)}{2} \\ = 32.4 \text{ cm}^2$$

$$3. A = \frac{b_1 + b_2 \times h}{2} \\ = \frac{4.3 + 1.2 \times 2.6}{2} \\ = 8.06 \text{ ft}^2$$

$$4. A = l \times w \\ = (11)(9.7) \\ = 106.7 \text{ mi}^2$$

$$5. A = \frac{bh}{2} \\ = \frac{(12)(9.1)}{2} \\ = 54.6 \text{ Km}^2$$

$$6. A = \frac{bh}{2} \\ = \frac{(11.6)(11)}{2} \\ = 127.6 \text{ mi}^2$$

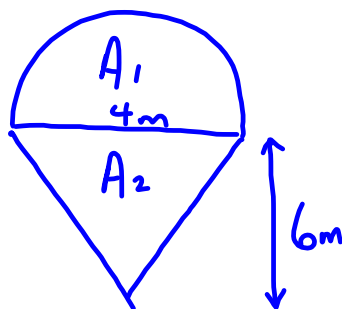
$$7. A = b \times h \\ = (6.5)(7) \\ = 45.5 \text{ m}^2$$

$$8. A = \frac{bh}{2} \\ = \frac{(4)(1.9)}{2} \\ = 3.8 \text{ yd}^2$$

$$9. A = \pi r^2 \\ = \pi (7)^2 \\ = 153.9 \text{ Km}^2$$

$$10. A = \pi r^2 \\ = \pi (6.8)^2 \\ = 145.3 \text{ Km}^2$$

Find the area of the following shape.



$$A_1 = \frac{\pi r^2}{2} \\ = \frac{\pi (2)^2}{2} \\ = 6.28 \text{ m}^2$$

$$A_2 = \frac{bh}{2} \\ = \frac{(4)(6)}{2} \\ = 12 \text{ m}^2$$

$$A_{\text{total}} = 6.28 + 12 \\ = 18.28 \text{ m}^2$$

## Homework...

Worksheet on composite shapes.