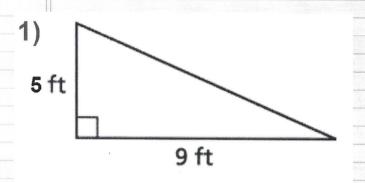
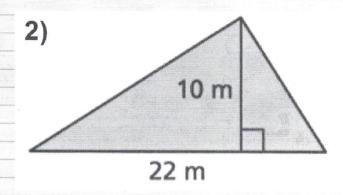
Chapter 4	Area of Polygons
Date	Lesson 4.2 Area of Triangles
Essential Question	How can you derive a formula for the area of a triangle?
Formula	The area of a triangle is one half the product of its base and height. The height must make a right angle with the base.
	$A = \frac{1}{2}bh$ or $A = \frac{bh}{2}$
,	h
	b

Composition Book

4.2 Area of Triangles





$$A = \frac{1}{2}bh$$

$$A = \frac{1}{2}(9)5$$

$$A = \frac{1}{2}(45)$$

$$A = 22.5 \text{ ft.}^2$$

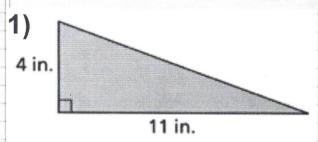
$$A = \frac{1}{2}bh$$

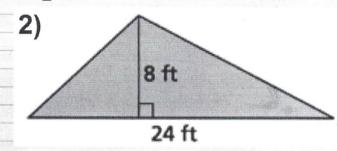
$$A = \frac{1}{2}(22)10$$

$$A = 11(10)$$

$$A = 110 \text{ m}^2$$

Complete numbers 1 and 2 on your notes page.





$$A = \frac{1}{2}bh$$

$$A = \frac{1}{2}(11)4$$

$$A = \frac{1}{2}(44)$$

$$A = 22 \text{ in.}^2$$

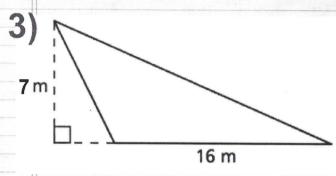
$$A = \frac{1}{2}bh$$

$$A = \frac{1}{2}(24)8$$

$$A = 12(8)$$

$$A = 96 \text{ ft.}^2$$

Complete numbers 3 and 4 in your composition book.

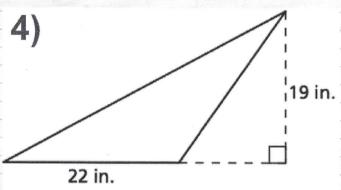


$$A = \frac{1}{2}bh$$

$$A = \frac{1}{2}(16)7$$

$$A = 8(7)$$

$$A = 56 \text{ m}^2$$



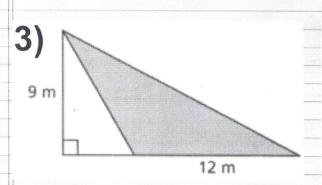
$$A = \frac{1}{2}bh$$

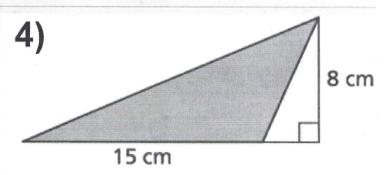
$$A = \frac{1}{2}(22)19$$

$$A = 11(19)$$

$$A = 209 \text{ in}^2$$

Complete numbers 3 and 4 on your notes page.





$$A = \frac{1}{2}bh$$

$$A = \frac{1}{2}(12)9$$

$$A = 6(9)$$

$$A = 54 \text{ m}^2$$

$$A = \frac{1}{2}bh$$

$$A = \frac{1}{2}(15)8$$

$$A = \frac{1}{2}(120)$$

$$A = 60 \text{ cm}^2$$