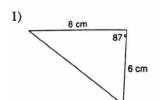
Answers

Trigonometry and Area

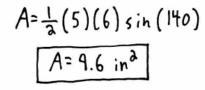
$$A=\frac{1}{2}$$
 absin(c)

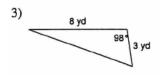
Find the area of each figure. Round your answer to the nearest tenth.

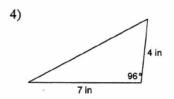


$$A = \frac{1}{a}(6)(8) \sin(87)$$

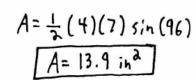
 $A = 24.0 \text{ cm}^{2}$







$$A = \frac{1}{3}(3)(8) \sin(48)$$
 $A = 11.9 \text{ yd}^{3}$



- 5) A triangle with two sides that measure 6 yd and 2 yd with an included angle of 10°.
 - $A = \frac{1}{2}(3)(6) \sin(10)$

6) A triangle with two sides that measure 6 m and 8 m with an included angle of 137°.

$$A = \frac{1}{2} (6)(8) \sin(137)$$

$$A = 16.4 \text{ m}^{a}$$

- 7) A triangle with two sides that measure 5 cm and 8 cm with an included angle of 39°.
 - $A = \frac{1}{3} (5)(8) \sin(39)$

8) A triangle with two sides that measure 8 ft and 7 ft with an included angle of 30°.

$$A = \frac{1}{2} (7)(8) \sin(30)$$