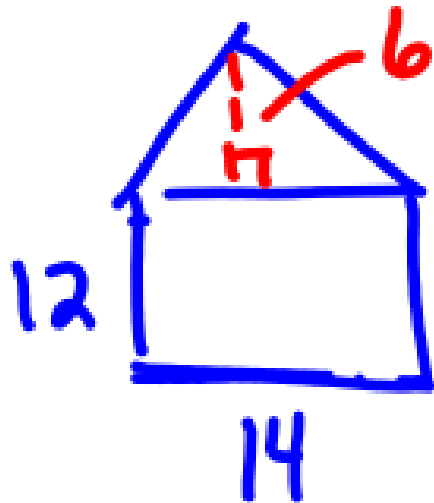# Area of Composite Figures - Day 2

The shape of the front of the wooden shed is a rectangle with a triangle on top. The rectangle has a base of 14 feet and a height of 12 feet. The triangle's height is 6 feet. What is the area of the front of the shed?
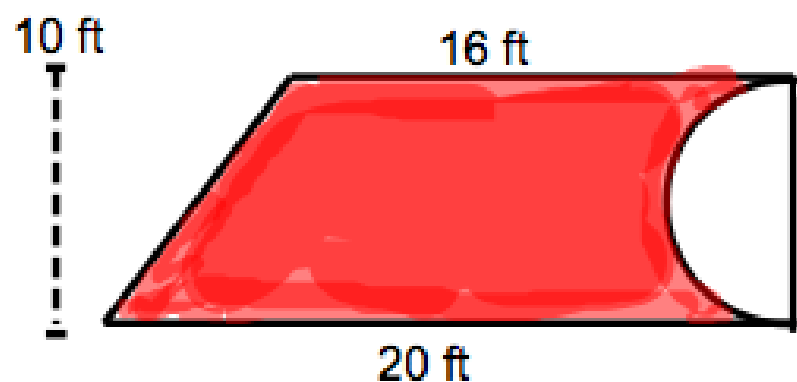
$$A = bh$$
$$= 14 \times 12$$
$$= 168$$

$$A = \frac{1}{2}bh$$
$$= .5 \times 14 \times 6$$
$$= 42$$

T.A.

$$168 + 42$$
$$210 \text{ ft}^2$$

Find the area of the shaded section.

10 ft
16 ft
20 ft

Circle $A = \pi r^2$

$\pi \times 5 \times 5$

78.5

$\div 2$

39.3

Trapezoid $A = \frac{1}{2}h(b_1 + b_2)$

$.5 \times 10 \times (16 + 20)$

$.5 \times 10 \times 36$

180

Area of
Shaded

$180 - 39.3$

$= 140.7$

ft²