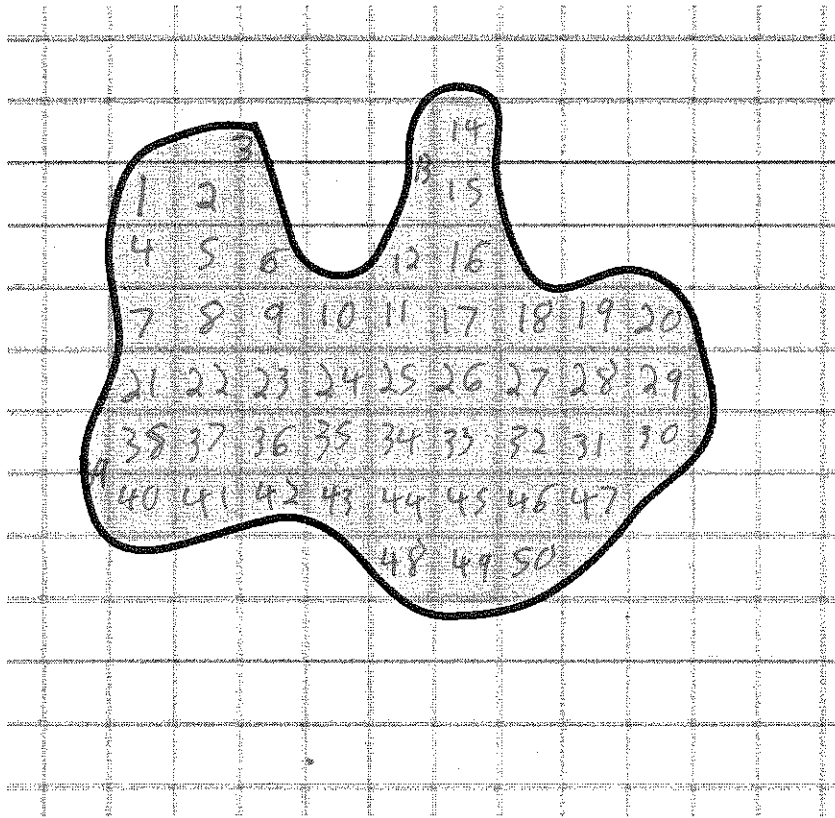


1. Find the approximate area of the shape below, each square on the grid represents a square meter.

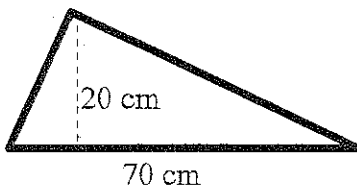


$$47 - 53 \checkmark$$

$$40 - 60 .5$$

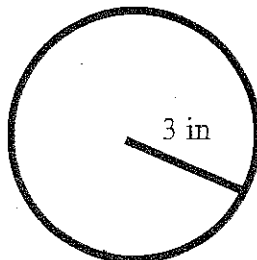
2. Find the area of each of the following shapes

a)



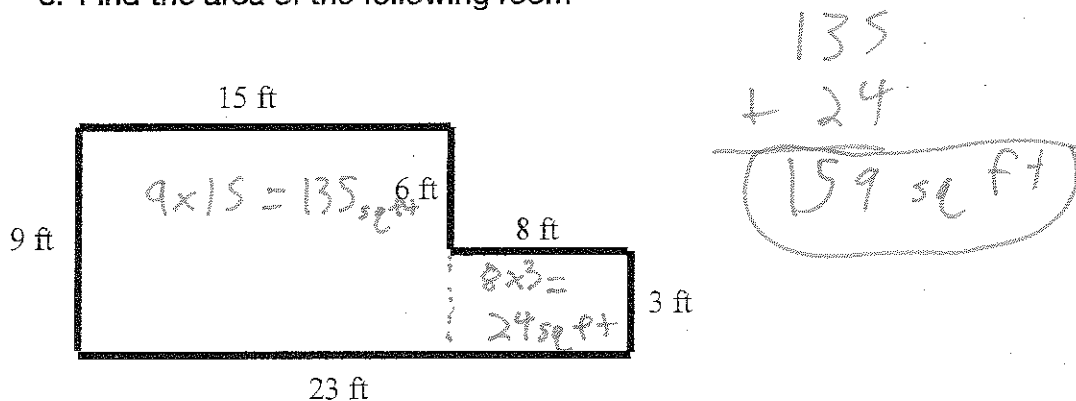
$$20 \times 70 \div 2 = 700 \text{ cm}^2$$

b)

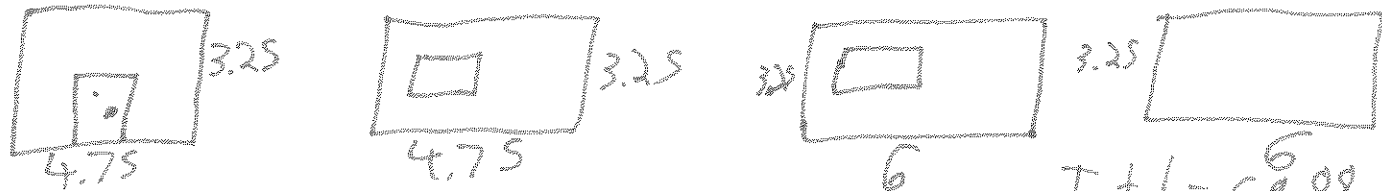


$$\pi 3^2 = 28.27 \text{ in}^2$$

3. Find the area of the following room



4. Paul is wallpapering his room. His room is rectangular (4 walls) measuring 6 m long by 4.75 m wide by 3.25 m high. There are two windows that measure 1 m by 0.75 m and a door that is 1.3 m by 2.75 m, each of which do not require wallpaper. How much wallpaper is needed for all four walls of Paul's room?



Total area

$$4.75 \times 3.25 = 15.44 \text{ m}^2$$

$$4.75 \times 3.25 = 15.44 \text{ m}^2$$

$$6 \times 3.25 = 19.5 \text{ m}^2$$

$$6 \times 3.25 = 19.5 \text{ m}^2$$

$$\text{Total} = 69.88 \text{ m}^2$$

$$\text{Door} = 1.3 \times 2.75 = 3.58$$

$$\text{1st Window} = 1 \times 0.75 = 0.75$$

$$\text{2nd Window} = 1 \times 0.75 = 0.75$$

$$\text{Total} = 5.08$$

Wall paper area

5. Bob is installing turf in his backyard. A 5 ft x 7.5 ft piece of turf costs \$149, his

$$64.80 \text{ m}^2$$

backyard in turf? (Assume the turf can be cut to fit the yard, but you can only buy full pieces of turf)

$$\text{Area of back yard} = 50 \times 90 = 4500 \text{ ft}^2$$

$$\text{Area of one piece} = 5 \times 7.5 = 37.5 \text{ ft}^2$$

$$\# \text{ of pieces of turf needed} = \frac{4500}{37.5} = 120$$

$$\text{Price of 120 pieces of turf} = 120 \times 149$$

$$17,880$$