

Does this triangle have an area of 14 units<sup>2</sup>? Show how you know.

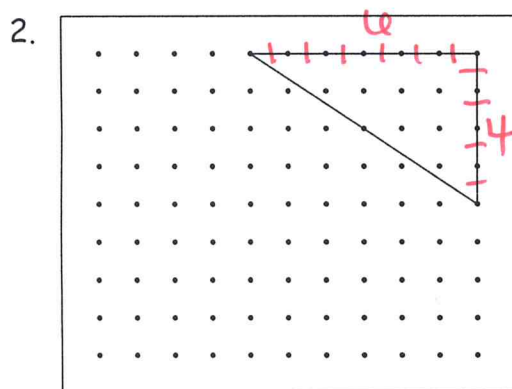
$$A = \frac{b \times h}{2}$$

No

$$A = \frac{8 \times 3}{2}$$

$$A = \frac{24}{2}$$

$$A = 12 \text{ units}^2$$



Does this triangle have an area of 12 units<sup>2</sup>? Show how you know.

$$A = \frac{b \times h}{2}$$

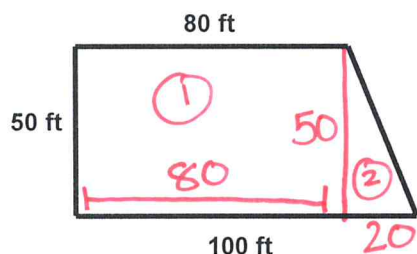
$$A = 12 \text{ units}^2$$

$$A = \frac{6 \times 4}{2}$$

$$A = \frac{24}{2}$$

YES

3. A parking lot is in the shape of a trapezoid. Find the area of the parking lot by composing or decomposing into triangles and rectangles. Show work to support your answer.



$$\textcircled{1} A = L \times W$$

$$A = 50 \times 80$$

$$A = 4000 \text{ units}^2$$

$$\textcircled{2} A = \frac{b \times h}{2}$$

$$A = \frac{50 \times 20}{2}$$

$$A = \frac{1000}{2}$$

$$A = 500 \text{ units}^2$$

$$4000 + 500 = 4500 \text{ units}^2$$

a) 400,000 ft<sup>2</sup>

b) 5,000 ft<sup>2</sup>

c) 4,500 ft<sup>2</sup>

d) 4,000 ft<sup>2</sup>