Solve the following word problems involving the area of parallelogram, triangle, and trapezoid.

1. Randy has a garden that is in the shape of a parallelogram. If its base is 8 meters and the height is 7 meters, what is the area of the garden?

$$A = base \times height$$

$A = \underline{\qquad} \ m \times \underline{\qquad} \ m$

$A = \underline{\qquad} \ m^2$

2. A triangular flag let has a base of 3 meters and a height of 6 meters. How many square meters of materials were used in making it?

$$A = \frac{base \times height}{2}$$

$$A = \frac{\underline{\quad} m \times \underline{\quad} m}{2}$$

$$A = \frac{\underline{\quad} m}{2}$$

$$A = \underline{\quad} m^2$$

3. A wooden area is in the shape of a trapezoid whose bases measure 32 m and 23 m and its height is 10 meters. What is its area?

$$A = \frac{(base1 + base2) \times height}{2}$$

$$A = \frac{(\underline{\quad} m + \underline{\quad} m) \times \underline{\quad} m}{2}$$

$$A = \frac{\underline{\quad} m \times \underline{\quad} m}{2}$$

$$A = \frac{\underline{\quad} m}{2}$$

$$A = \underline{\quad} m^2$$