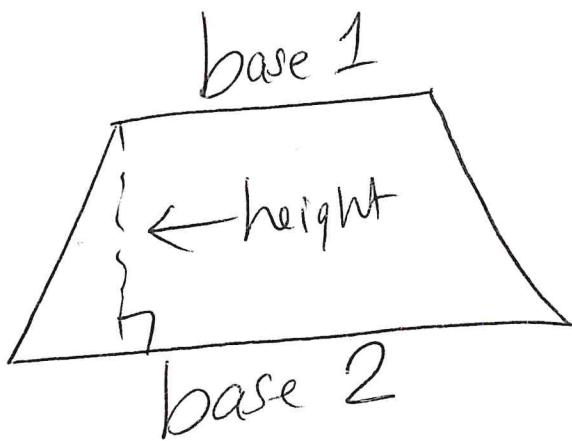


M3

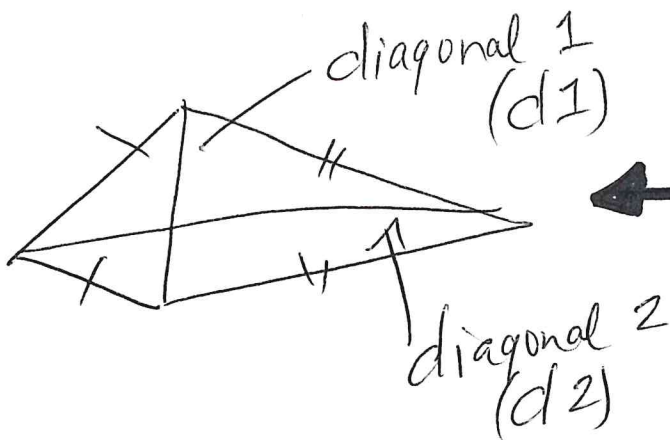
Lesson 5

Areas of Trap.
Rhombus, & Kite



← Trapezoid
↓ FORMULA

$$A = \frac{b_1 + b_2}{2} \cdot h$$

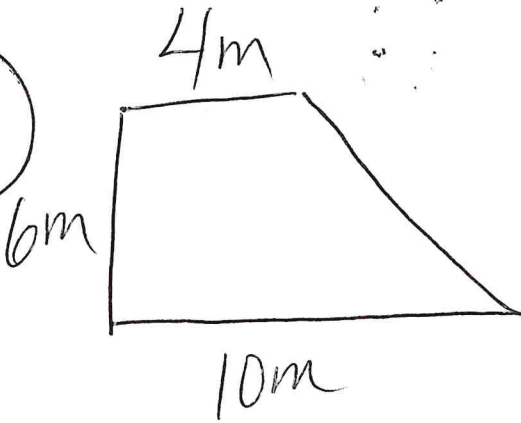


← Kite or Rhombus

$$A = \frac{d_1 \cdot d_2}{2}$$

↓ FORMULA

ie1



Trapezoid

$$A = \frac{b_1 + b_2}{2} \cdot h$$

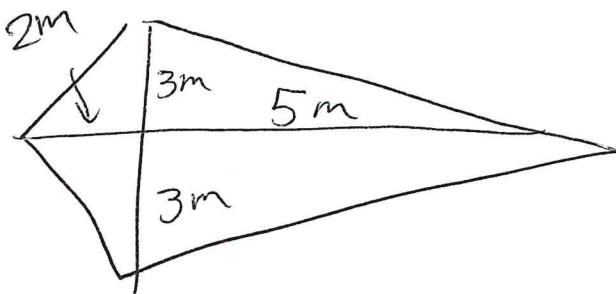
$$\frac{10 + 4}{2} \cdot 6$$

$$\frac{14}{2} \cdot 6$$

$$7 \cdot 6 =$$

$$42 \text{ m}^2$$

ie2



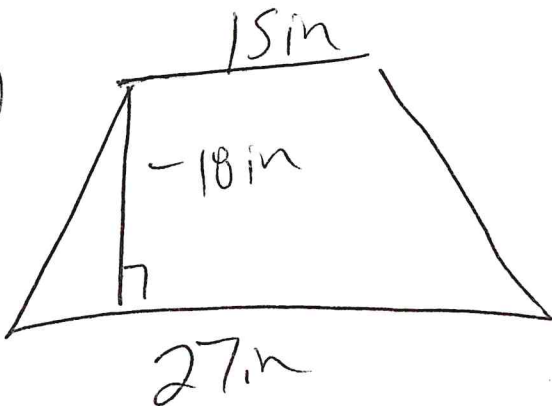
Kite

$$A = \frac{d_1 \cdot d_2}{2} =$$

$$\frac{7 \cdot 6}{2} =$$

$$21 \text{ m}^2$$

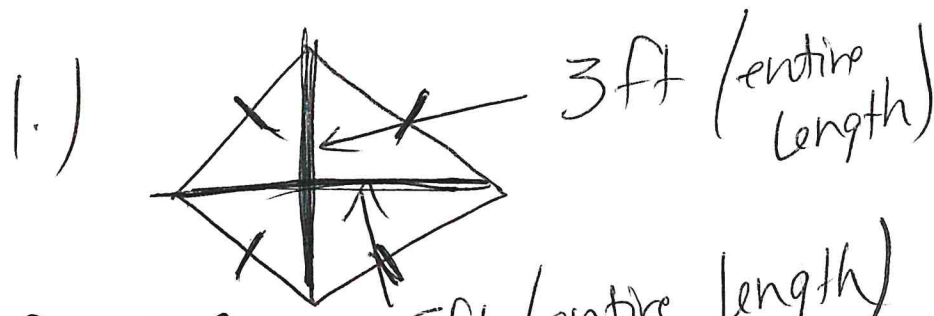
ie3



Trapezoid

$$A = \frac{b_1 + b_2}{2} \cdot h$$

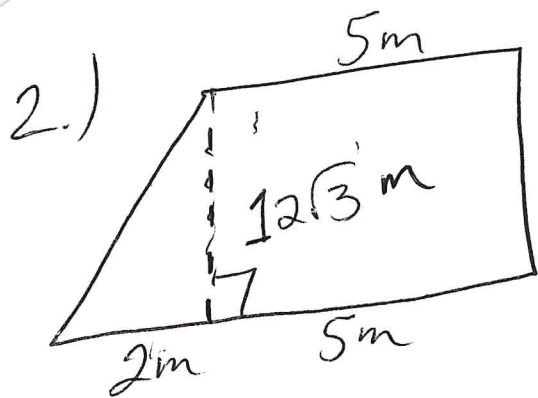
M3 Lesson 5 Hwr
pgs 33 #1-3



Rhombus

5ft (entire length)

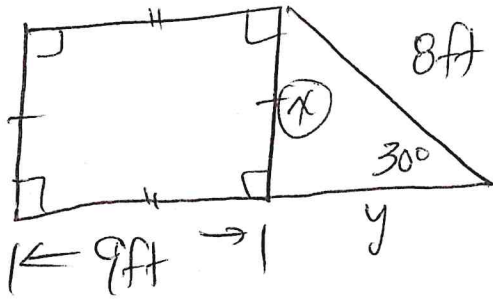
A = _____



Trapezoid

A = _____

3.)



① Trig problem

↓
Review

② then

Find x ; then find y :

then Find the total Area Trapezoid ←

① x

② y

③ Area

$$\sin 30^\circ = \frac{o}{h} = \frac{x}{8}$$

$$\cos 30^\circ = \frac{A}{H} = \frac{y}{8}$$

$$A = \left(\frac{b_1 + b_2}{2} \right) \cdot h$$