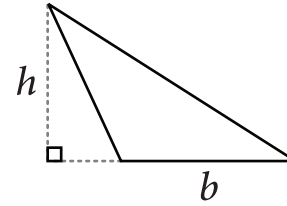
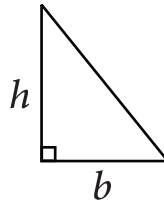
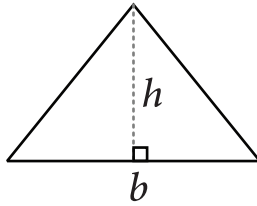




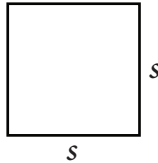
### Triangle

$$\text{Area } A = \frac{bh}{2}$$



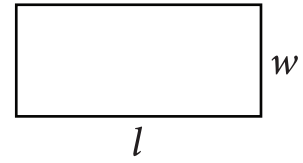
### Square

$$\begin{aligned}\text{Area } A &= s \times s \\ &= s^2\end{aligned}$$

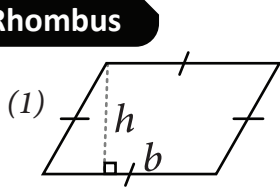


### Rectangle

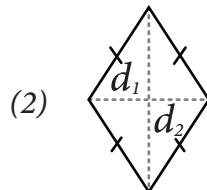
$$\begin{aligned}\text{Area } A &= l \times w \\ P &= 2(l + w)\end{aligned}$$



### Rhombus



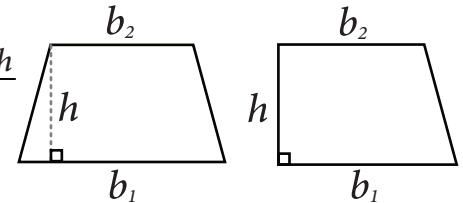
$$\text{Area } A = bh$$



$$\text{Area } A = \frac{d_1 \times d_2}{2}$$

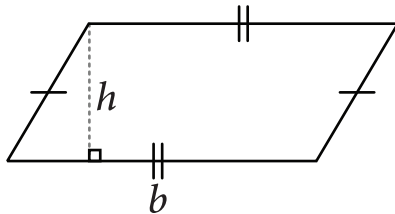
### Trapezium

$$\text{Area } A = \frac{(b_1 + b_2)h}{2}$$



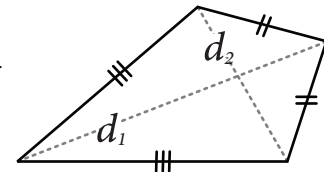
### Parallelogram

$$\text{Area } A = bh$$

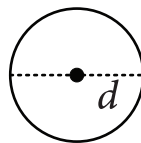
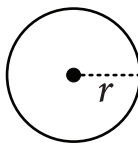


### Kite

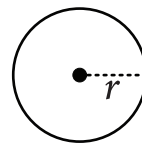
$$\text{Area } A = \frac{d_1 \times d_2}{2}$$



### Circle



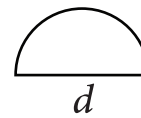
$$d = 2r$$



$$A = \pi r^2$$

$$C = 2\pi r$$

$$(or) C = \pi d$$



$$A = \frac{\pi r^2}{2}$$

$$C = \pi r + d$$

### Key

|                   |                                  |
|-------------------|----------------------------------|
| $A$ = Area        | $b_1$ = Long Base                |
| $B$ = Base        | $b_2$ = Short Base               |
| $h$ = Height      | $d_1$ = Diagonal 1               |
| $s$ = Side Length | $d_2$ = Diagonal 2               |
| $l$ = Length      | $d$ = Diameter                   |
| $w$ = Width       | $r$ = Radius                     |
| $P$ = Perimeter   | $C$ = Circumference              |
|                   | $\pi = 3.14$ (or) $\frac{22}{7}$ |

### Yes or No?

1. Is every Square a Rectangle? (yes)
2. Is every Rectangle a Square? (no)
3. Is every Square a Rhombus? (yes)
4. Is every Rhombus a Square? (no)
5. Is every Parallelogram a Rectangle? (no)
6. Is every Trapezium a Parallelogram? (no)
7. Is every Rhombus a Parallelogram? (yes)
8. Is every Parallelogram a Quadrilateral. (yes)

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