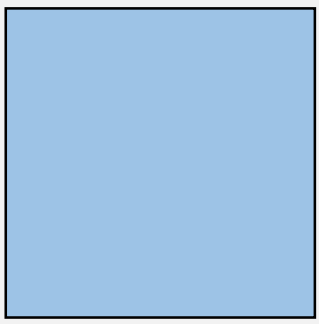
Square



$x = 1\ Unit\ [u]$

$Perimeter = 2\sqrt{2}\,x\ [u]$ ✓

$\frac{Area}{Perimeter} = x/(4\sqrt{2})\ [u]$

$\frac{Area}{Perimeter^2} = 1/8$ ✗

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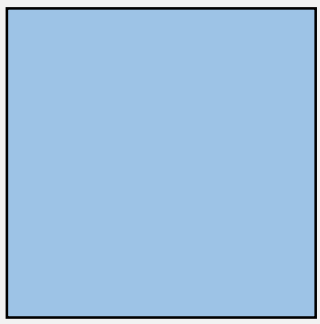

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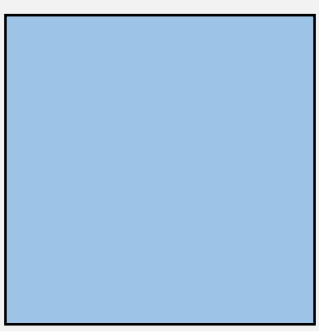

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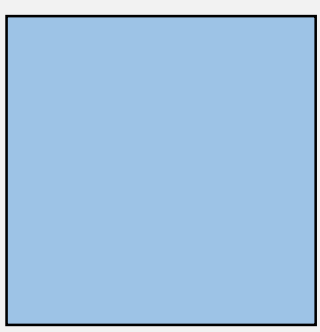

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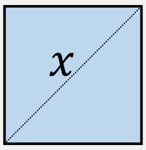

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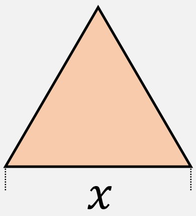

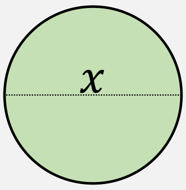

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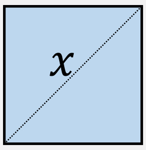

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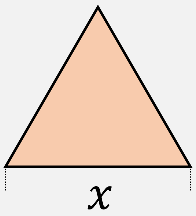

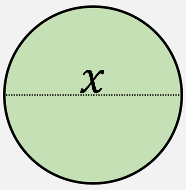

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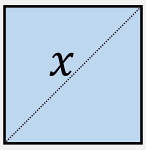

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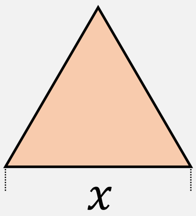

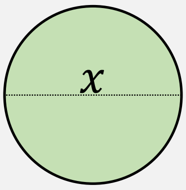

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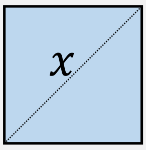

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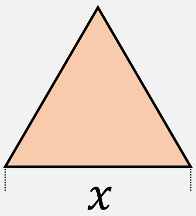

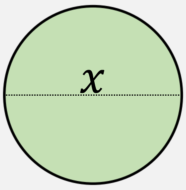

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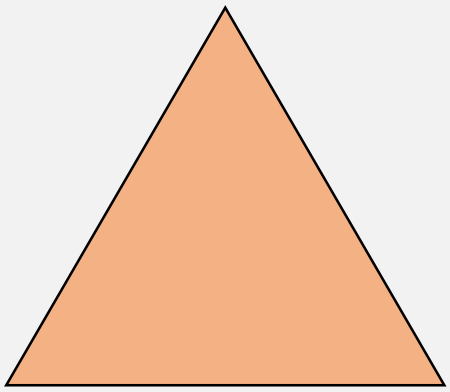

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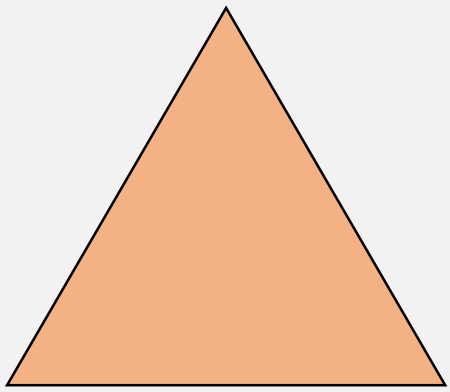

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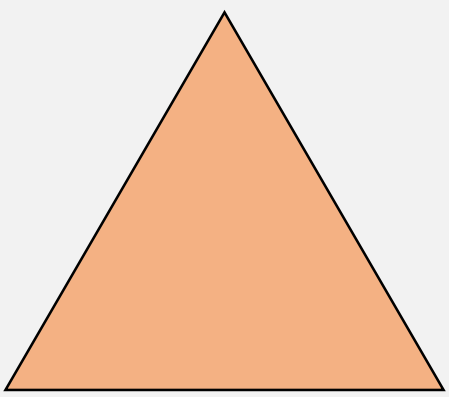

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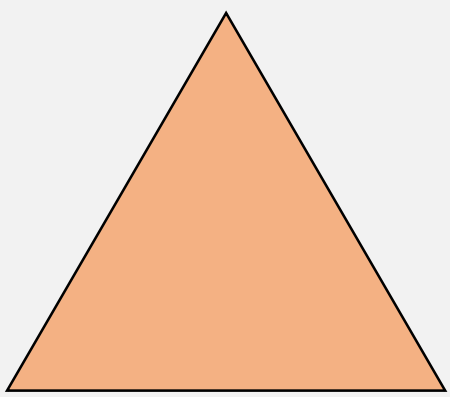

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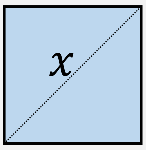

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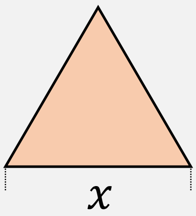

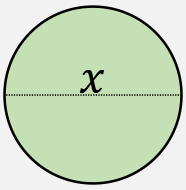

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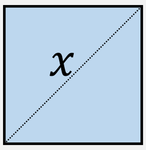

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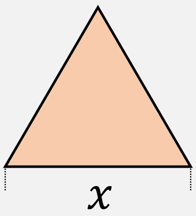

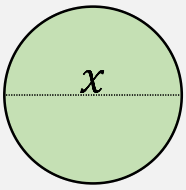

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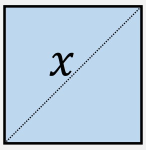

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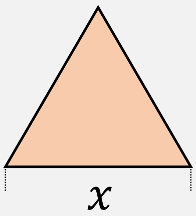

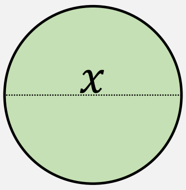

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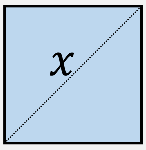

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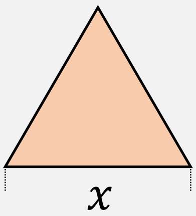

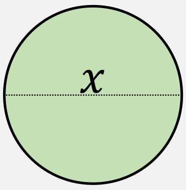

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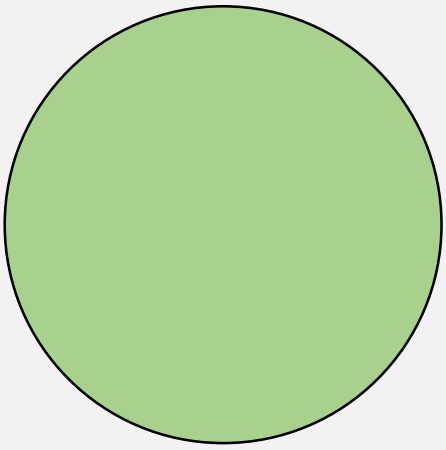
Circle



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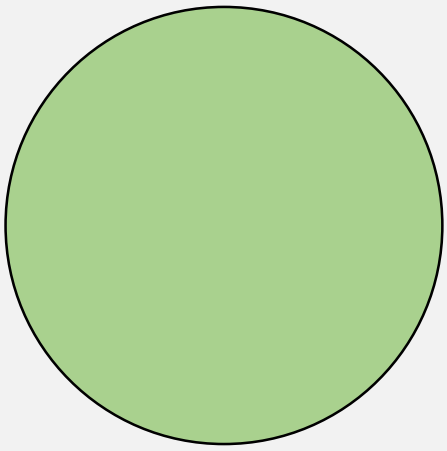

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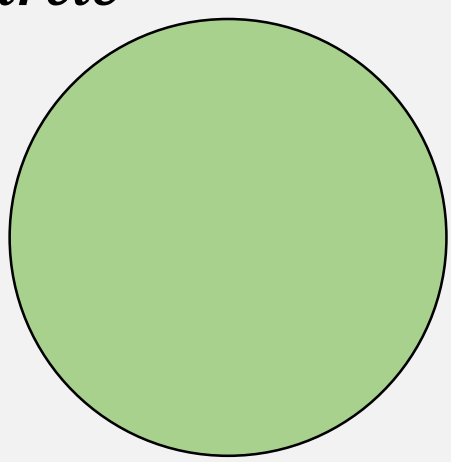

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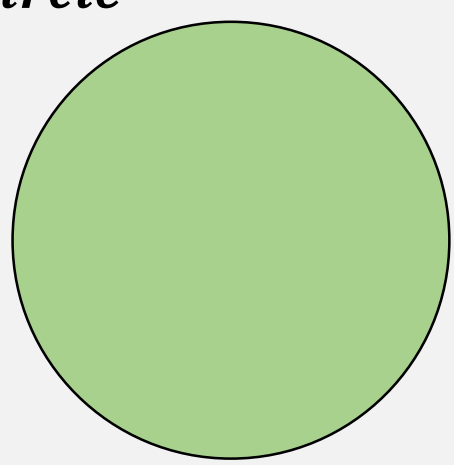

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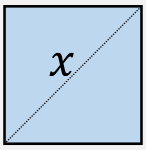

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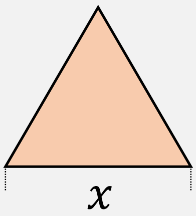

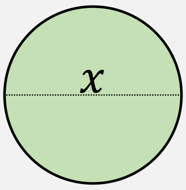

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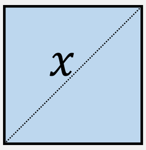

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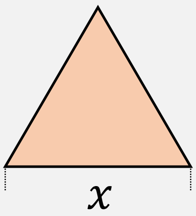

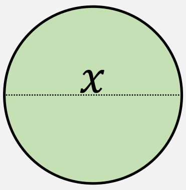

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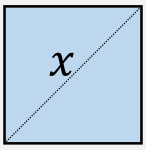

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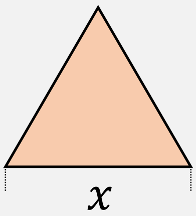

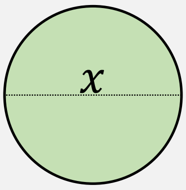

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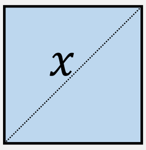

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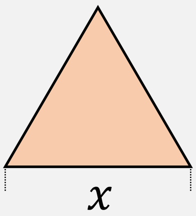

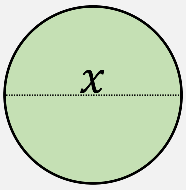

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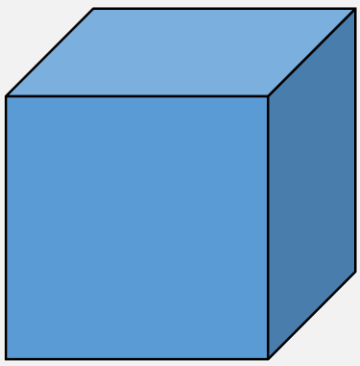
Cube $(S + S)$



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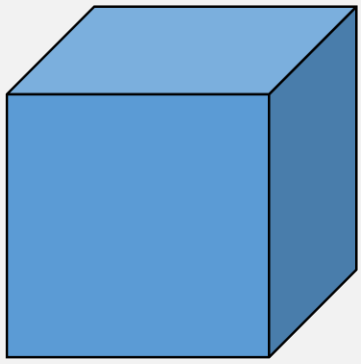
$$\text{Surface Area} = 2\,x^2\ [u^2]$$

$$\frac{\text{Volume}}{\text{Surface Area}} = \frac{x}{3\sqrt{3}}\ [u]$$ ✓

$$\frac{\text{Volume}}{\text{Surface Area}^{3/2}} = \frac{1}{6\sqrt{6}}$$

Cube $(S + S)$



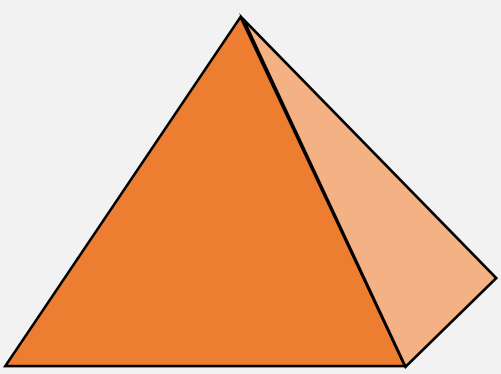
$x = 1\ Unit\ [u]$

$$\text{Surface Area} = 2\,x^2\ [u^2]$$

$$\frac{\text{Volume}}{\text{Surface Area}} = \frac{x}{3\sqrt{3}}\ [u]$$ ✓

$$\frac{\text{Volume}}{\text{Surface Area}^{3/2}} = \frac{1}{6\sqrt{6}}$$

Prism $(T + T)$



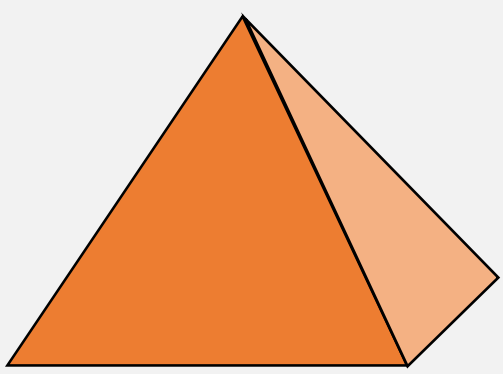
$x = 1\ Unit\ [u]$

$$\text{Surface Area} = \sqrt{3}x^2\ [u^2]$$ ✓

$$\frac{\text{Volume}}{\text{Surface Area}} = \frac{x}{6\sqrt{6}}\ [u]$$ ✗

$$\frac{\text{Volume}}{\text{Surface Area}^{3/2}} = \frac{1}{18\sqrt{6}}$$ ✗

Prism $(T + T)$

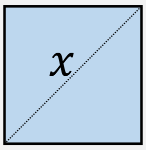


$x = 1\ Unit\ [u]$

$$\text{Surface Area} = \sqrt{3}x^2\ [u^2]$$ ✓

$$\frac{\text{Volume}}{\text{Surface Area}} = \frac{x}{6\sqrt{6}}\ [u]$$ ✗

$$\frac{\text{Volume}}{\text{Surface Area}^{3/2}} = \frac{1}{18\sqrt{6}}$$ ✗



$Area = x^2$

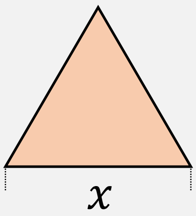
$Perimeter = 4x$

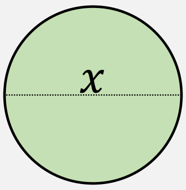
$\frac{Area}{Perimeter} = \frac{x}{4\sqrt{2}}$

$Area = \frac{\sqrt{3}}{\sqrt{4}}x^2$

$Perimeter = 3x$

$\frac{Area}{Perimeter} = \frac{\sqrt{3}}{12}x$

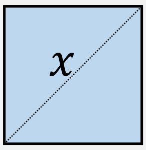




$Area = \pi\frac{x^2}{4}$

$Perimeter = 2\pi\frac{x}{2}$

$\frac{Area}{Perimeter} = \frac{x}{4}$



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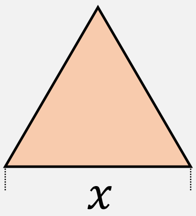

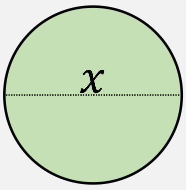

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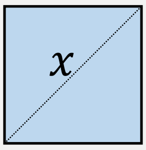

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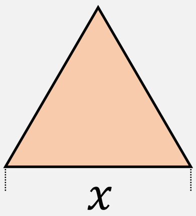

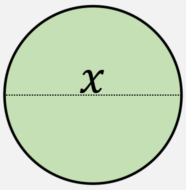

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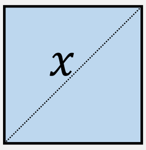

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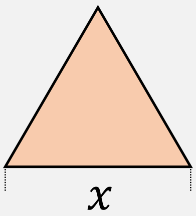

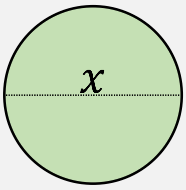

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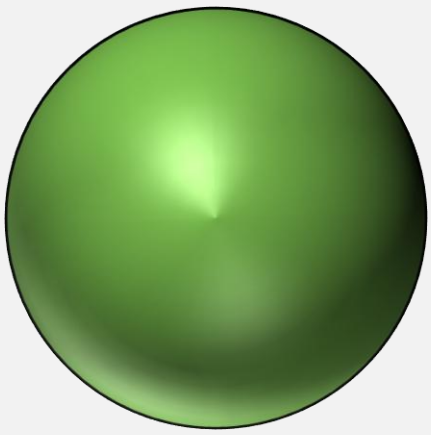
Spherical $(C + C)$



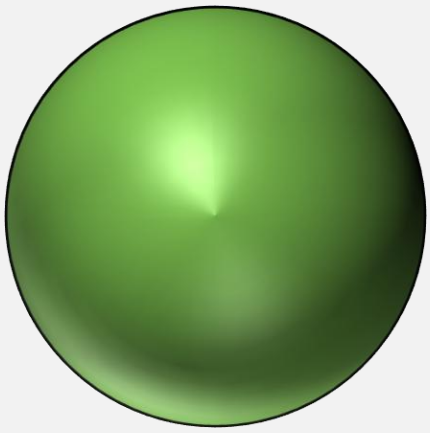
$x = 1\ Unit\ [u]$

Surface Area $= \pi x^2\ [u^2]$ ✗

$$\frac{\text{Volume}}{\text{Surface Area}} = \frac{x}{6}\ [u]$$

$$\frac{\text{Volume}}{\text{Surface Area}^{3/2}} = \frac{1}{6\sqrt{\pi}}$$ ✓

Spherical $(C + C)$



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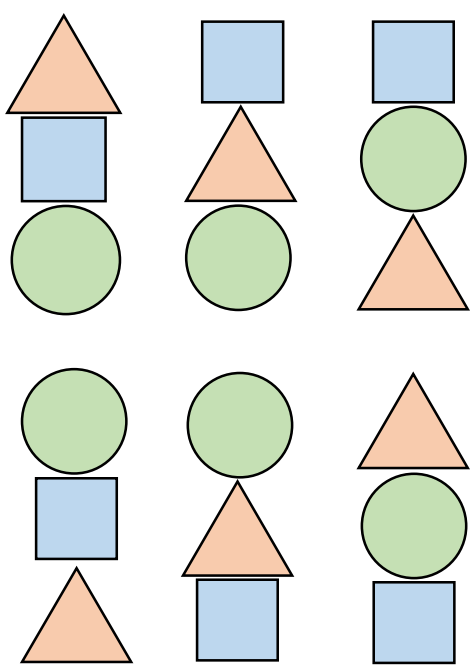
$$\frac{\text{Volume}}{\text{Surface Area}} = \frac{x}{6}\ [u]$$

$$\frac{\text{Volume}}{\text{Surface Area}^{3/2}} = \frac{1}{6\sqrt{\pi}}$$ ✓

Fusion

$x = 1\ Unit\ [u]$



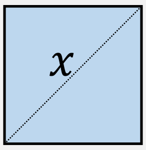
X – Change

$x = 1\ Unit\ [u]$

$= \quad < \quad >$

$> \quad = \quad <$

$< \quad > \quad =$



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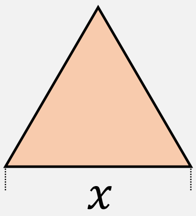

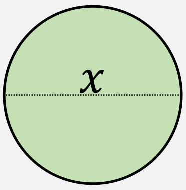

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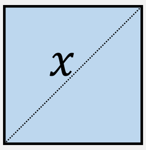

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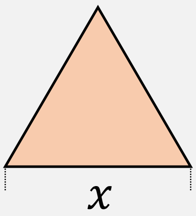

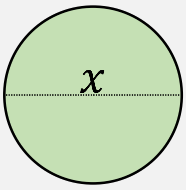

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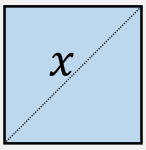

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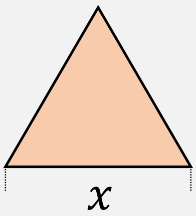

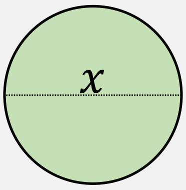

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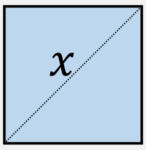

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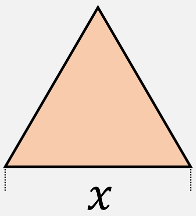

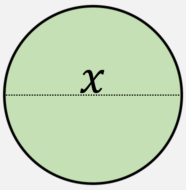

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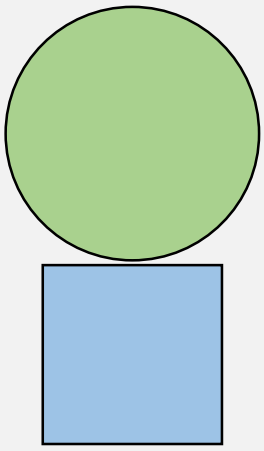
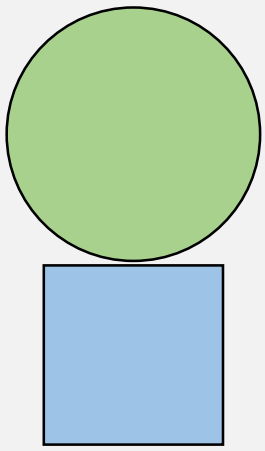
$S + C$



$x = 1\ Unit\ [u]$	
$\frac{Perimeter}{Area}$	✓
$\frac{Area}{Perimeter^2}$	✗

$S + C$



$x = 1\ Unit\ [u]$	
$\frac{Perimeter}{Area}$	✓
$\frac{Area}{Perimeter^2}$	✗

$X - Change$

$x = 1\ Unit\ [u]$
$= \quad < \quad >$
$> \quad = \quad <$
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$X - Change$

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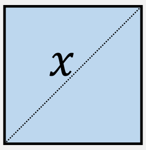

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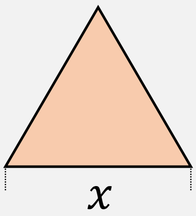

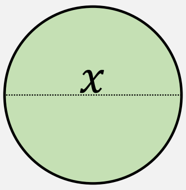

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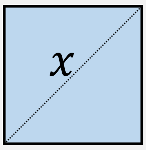

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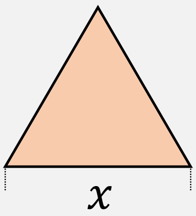

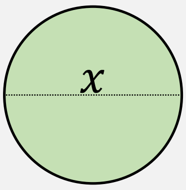

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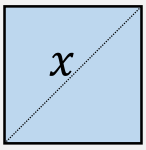

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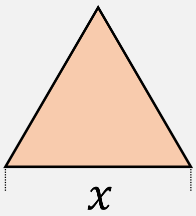

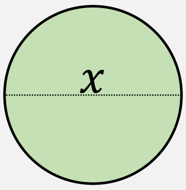

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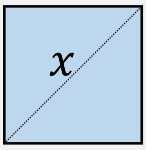

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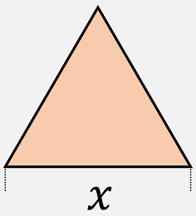

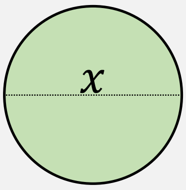

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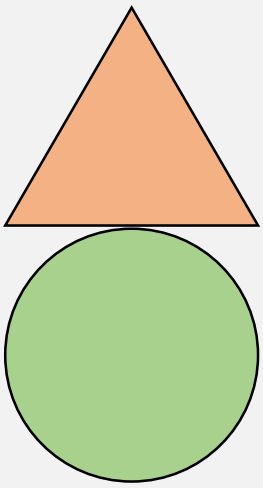
$C + T$



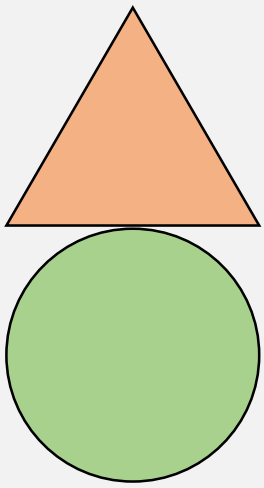
$x = 1\ Unit\ [u]$

$Perimeter$ ✗

$\frac{Area}{Perimeter}$

$\frac{Area}{Perimeter^2}$ ✓

$C + T$



$x = 1\ Unit\ [u]$

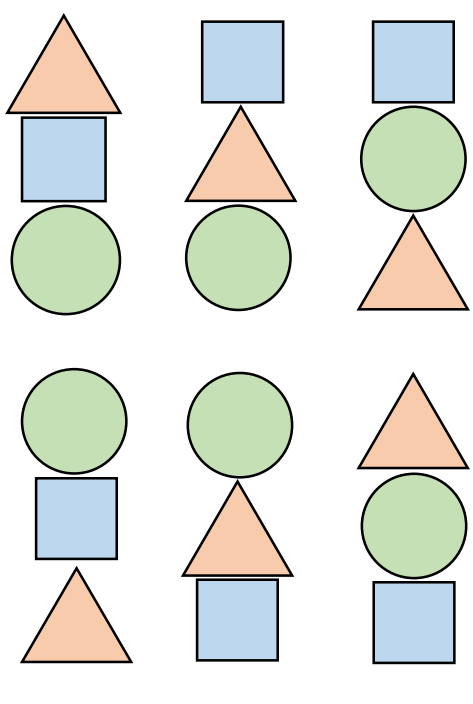
$Perimeter$ ✗

$\frac{Area}{Perimeter}$

$\frac{Area}{Perimeter^2}$ ✓

Fusion

$x = 1\ Unit\ [u]$



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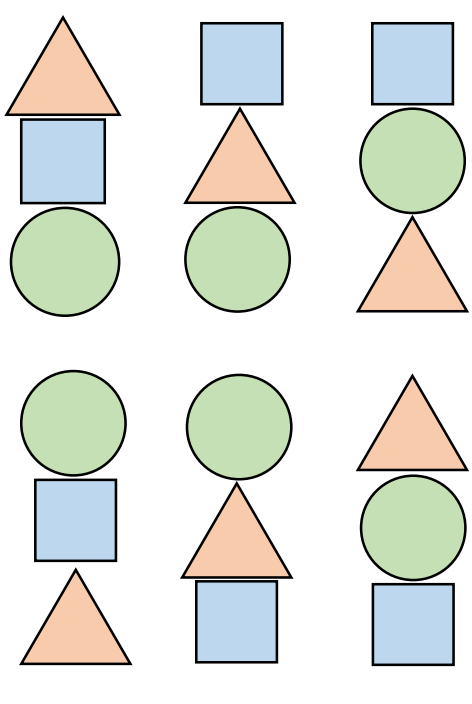

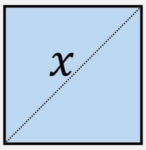

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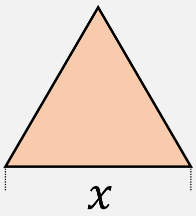
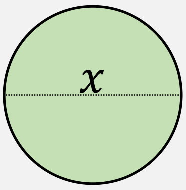
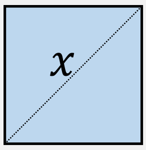




$Area = \pi \frac{x^2}{4}$

$Perimeter = 2\pi \frac{x}{2}$

$\frac{Area}{Perimeter} = \frac{x}{4}$



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$Area = \frac{\sqrt{3}}{\sqrt{4}} x^2$

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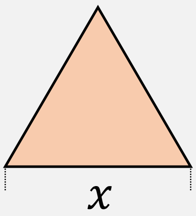

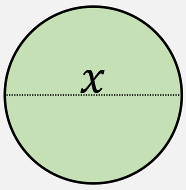

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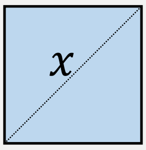

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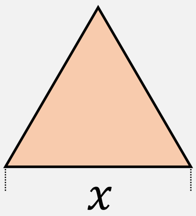

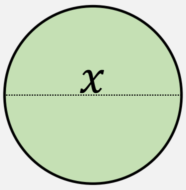

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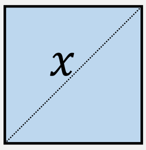

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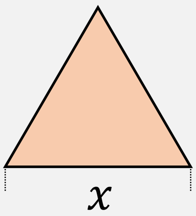

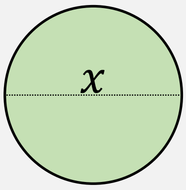

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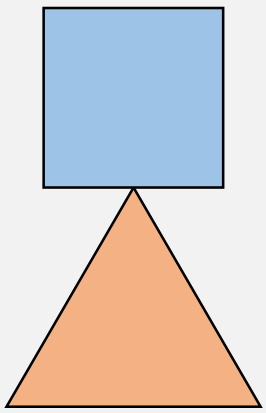
$T + S$



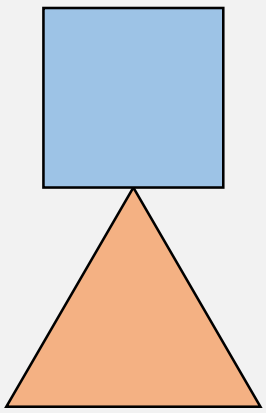
$x = 1\ Unit\ [u]$

$Perimeter$ ✓

$\frac{Area}{Perimeter}$ ✗

$\frac{Area}{Perimeter^2}$

$T + S$



$x = 1\ Unit\ [u]$

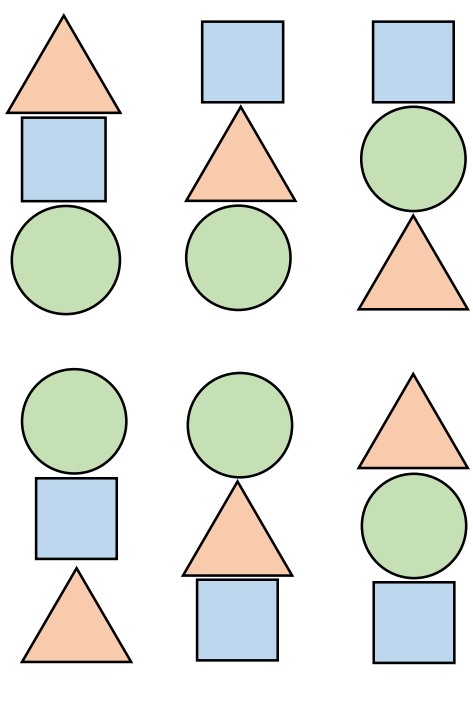
$Perimeter$ ✓

$\frac{Area}{Perimeter}$ ✗

$\frac{Area}{Perimeter^2}$

$Fusion$

$x = 1\ Unit\ [u]$



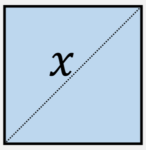
$X - Change$

$x = 1\ Unit\ [u]$

$= \quad < \quad >$

$> \quad = \quad <$

$< \quad > \quad =$



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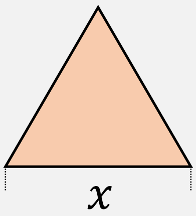

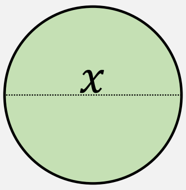

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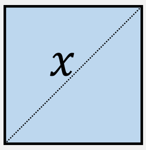

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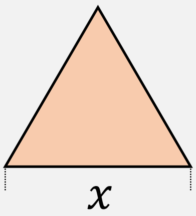

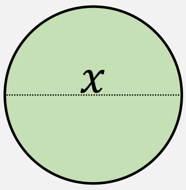

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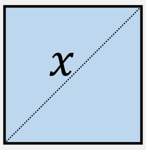

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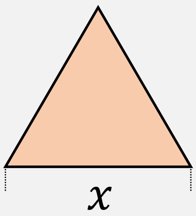

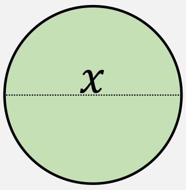

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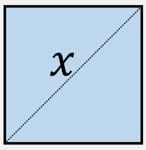

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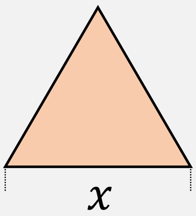

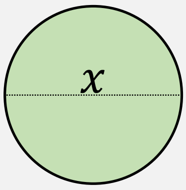

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