

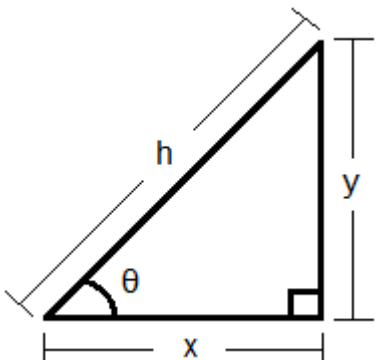
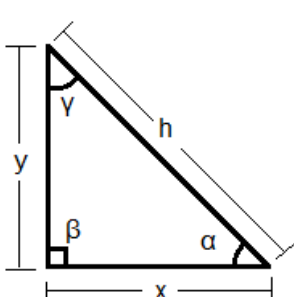
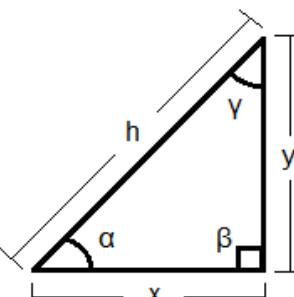


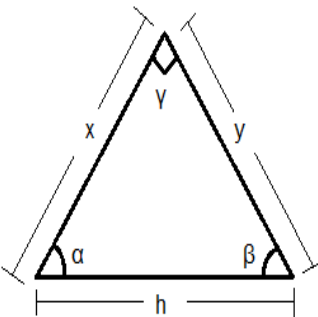
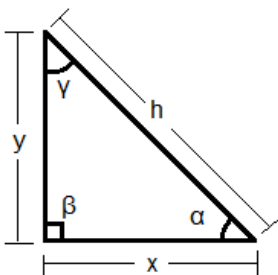
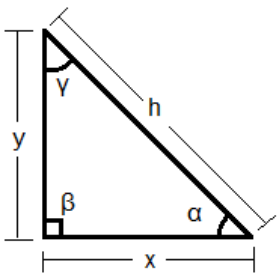
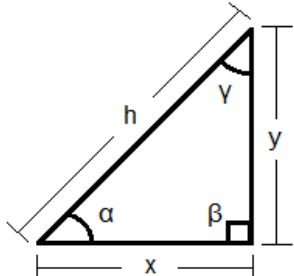
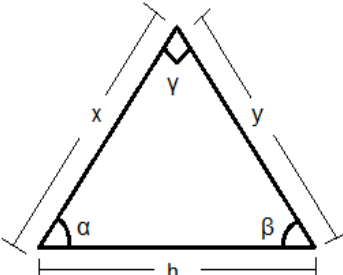
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|--|---|---------------|--|
|  <p>Institución Educativa "La Esperanza"</p> | INSTITUCIÓN EDUCATIVA LA ESPERANZA | |  |
| | ACTIVIDADES DE APOYO MATEMÁTICAS | | |
| | Sección: Bachillerato | Grado: | |
| | NOMBRE: | | |

RELACIONES TRIGONOMÉTRICAS INVERSAS EN EL TRIÁNGULO RECTÁNGULO

| | |
|---|--|
|  | $\text{Sen}^{-1}\left(\frac{y}{h}\right) = \theta$ |
| | $\text{Cos}^{-1}\left(\frac{x}{h}\right) = \theta$ |
| | $\text{Tan}^{-1}\left(\frac{y}{x}\right) = \theta$ |

Ejercicios : Completar los siguientes triángulos

| | | |
|------------|-------------------|---|
| 1. | Datos |  |
| | $y = 13$ | |
| | $h = 5\sqrt{10}$ | |
| | $x = 9$ | |
| | Incógnitas | |
| | $\alpha =$ | |
| | $\beta =$ | |
| $\gamma =$ | | |
| 2. | Datos |  |
| | $y = 4$ | |
| | $h = 4\sqrt{17}$ | |
| | $x = 16$ | |
| | Incógnitas | |
| | $\alpha =$ | |
| | $\beta =$ | |
| $\gamma =$ | | |

| | | |
|----|---------------------------------------|---|
| 3. | Datos |  |
| | $y = 3$ | |
| | $h = 3\sqrt{2}$ | |
| | $x = 3$ | |
| | Incógnitas | |
| | $\alpha =$ $\beta =$ $\gamma =$ | |
| 4. | Datos |  |
| | $y = 4$ | |
| | $h = 4\sqrt{10}$ | |
| | $x = 12$ | |
| | Incógnitas | |
| | $\alpha =$ $\beta =$ $\gamma =$ | |
| 5. | Datos |  |
| | $y = 2$ | |
| | $h = \sqrt{53}$ | |
| | $x = 7$ | |
| | Incógnitas | |
| | $\alpha =$ $\beta =$ $\gamma =$ | |
| 6. | Datos |  |
| | $y = 7$ | |
| | $h = 5\sqrt{2}$ | |
| | $x = 1$ | |
| | Incógnitas | |
| | $\alpha =$ $\beta =$ $\gamma =$ | |
| 7. | Datos |  |
| | $y = 4$ | |
| | $h = \sqrt{41}$ | |
| | $x = 5$ | |
| | Incógnitas | |
| | $\alpha =$ $\beta =$ $\gamma =$ | |