Chapter 2 Study Guide

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| SKILL | DESCRIPTION | EXAMPLE  | REFERENCE |
| Find a trig ratio | In  AAdjacent to A hypotenuse C B  Opposite to A |  8 A C 10 6 B | 2.1, 2.4, 2.6, 2.7Trig ratio set uphttps://www.youtube.com/watch?v=SqFQZWRALGcgeneralhttps://www.youtube.com/watch?v=5tp74g4N8EY |
| Find the measure of an angle | To find the measure of an acute angle in a right triangle:-use the given lengths to write a trig ratio-use the ‘inverse/shift/2ndF’ function on a scientific calculator to find the angleOR-angle sum of triangle =180, if given 2 of the 3 angles | To find the measure of <B in above:<B = tan-1(8/6)<B = 53o (nearest degree) | 2.1, 2.4, 2.6, 2.7Find anglehttps://www.youtube.com/watch?v=ypgcPKH4m4Aangle sum of a trianglehttps://www.youtube.com/watch?v=YnDeYhBoCzs |
| Find the length of a side | To find the length of a side in a right triangle:-use the measure of an angle and the length of a side to write an equation using a trig ratio-solve the equationOR-Pythagorean theorem if given 2 sides | To find the length of EF E 64 3cm D F = 6.8 cm (1 dec. pl.) | 2.2, 2.5, 2.6, 2.7Find sideshttps://www.youtube.com/watch?v=pkjuVZUdcvoPythagorean theoremhttps://www.youtube.com/watch?v=uaj0XcLtN5chttps://www.youtube.com/watch?v=AA6RfgP-AHUsolve right triangleshttps://www.youtube.com/watch?v=fjUN809FPRs |