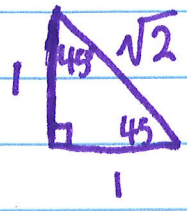
Special Right Triangles

Right Isosceles Triangles
45 - 45 - 90

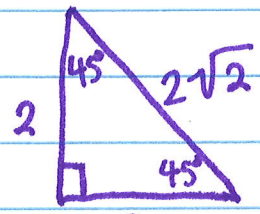


$1^2+1^2=c^2$

$1+1$

$2=c^2$

$\sqrt{2}=c$



$2^2+2^2=c^2$

$4+4=c^2$

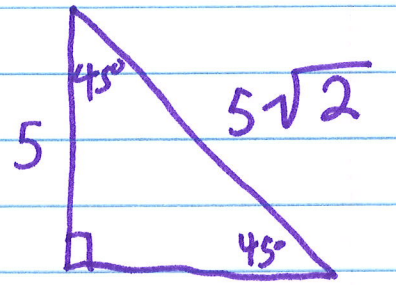
$8=c^2$

$\sqrt{8}=c$

$\sqrt{4\cdot 2}$

$\sqrt{2^2\cdot 2}$

$2\sqrt{2}$



$25+25=c^2$

$50=c^2$

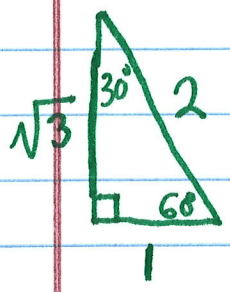
$\sqrt{50}=c$

$\sqrt{25\cdot 2}$

$\sqrt{5^2\cdot 2}$

$5\sqrt{2}$

30-60-90



$\sqrt{3}^2+1^2=c^2$

$3+1=c^2$

$4=c^2$

$\sqrt{4}=c$

$2=c$