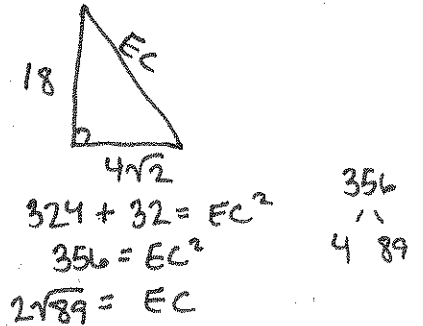
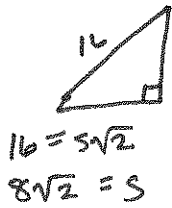
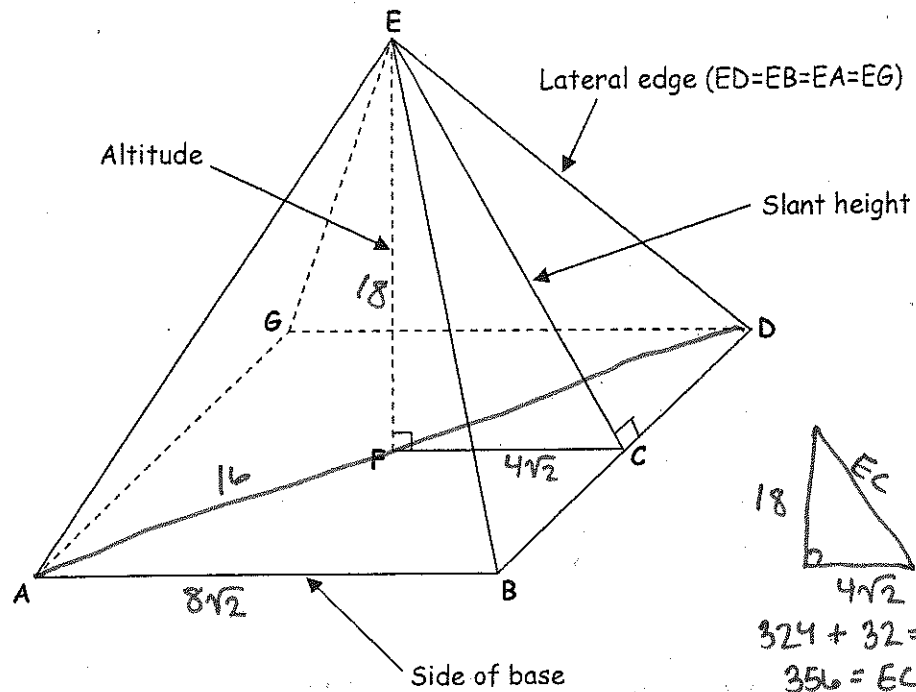


**Example for Regular Square Pyramid**  
 (base is a square and faces are congruent isosceles triangles)

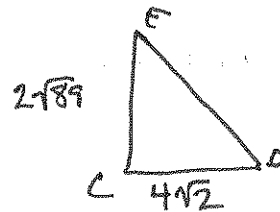


Use Pythagorean Theorem to find unknown parts.

Example: If  $EF = 18$  and  $AD = 16$ , find  $\underline{EC}$ ,  $\underline{BD}$ ,  $\underline{ED}$  and the perimeter of the base.

$BD = 8\sqrt{2}$

Perimeter  
 $32\sqrt{2}$



$(2\sqrt{89})^2 + (4\sqrt{2})^2 = ED^2$   
 $356 + 32 = ED^2$   
 $388 = ED^2$   
 $2\sqrt{97} = ED$