Geometry CC - Mr. Valentino
Name: $\qquad$

Unit 7 Lesson 2: 45-45-90 Triangles
Date: $\qquad$ Per: $\qquad$
We will now look at...45-45-90 Triangles!
But first....a DO NOW!


We will now look at a different Special Right Triangle that can be extremely useful in many instances! We will construct this triangle with a square:

What is the meashre
of the diagonal? of the diagonal?
$a^{2}+b^{2}=c^{2}$

$\sqrt{2}=x$



Now you try solving for the missing values:
1)


3)

4)

5) $\operatorname{li}_{2} \sqrt{2} \mid \sqrt{2}$
6)


$\frac{9 \sqrt{2}}{2}$
10)


