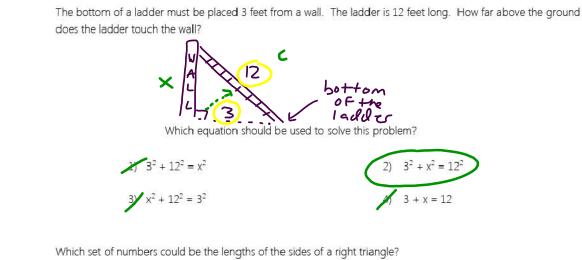
	Name: Period: Aim: What is the Pythagorean Theorem? Do Now: Answer the following questions based on the video you are about to watch. 1. What is the Pythagorean Theorem? $a^{2}+b^{2}=c^{2}$ 2. What is the Pythagorean Theorem use tor? $b find the missing sides of a right \Delta$ 3. What kind of triangles can the Pythagorean Theorem be used for? $right \Delta's$	
<i>۵</i>	What is the length of x ir simplest radical form? $a^{2}+b^{2}=c^{2}$ What is the length of x ir simplest radical form? $a^{2}+b^{2}=c^{2}$ $a^{2}+b^{2}=c^{2}$ $3^{2}+4^{2}=c^{2}$ $4m$ $4m$ $4m$ $4m$ $4m$ $4m$ $4m$ $4m$	pren $a_{15} \rightarrow b_{0}$ pren $1 \le 95$ $( \rightarrow hypote)$ unse $\sqrt{45} = \sqrt{2}$ $\sqrt{45} = c$ $\sqrt{9} \sqrt{5} = c$
	3. 9 3. 9 9 4. 9 9 4. 9 9 4. 9 9 4. 9 9 4. 9 9 4. 9 9 4. 9 -9 -9 -9 -9 -9 -9 -9 -9 -9	x $b^{2} = 72$ $b^{2} = 72$ $b^{2} = 72$ $b^{2} = 172$ $b^{2} = 13612$ $b^{2} = 612$

## Practice!



At  $\{12, 19, 30\}$  (10, 24, 26) (10, 24, 26) (10, 24, 26) (10, 24, 6) (12, 19, 30) (10, 24, 26) (10, 26)

What we know about the Pythagorean Theorem:

1. It can be used to find...

2. It can be used to determine...

3. It will only work for ...

2