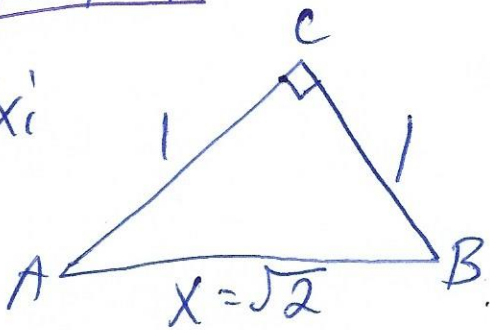


12/19/19

Ex:



$$1^2 + 1^2 = x^2$$

$$2 = x^2$$

$$\sqrt{2} = x$$

$$\sin(A) = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2} = \cos(A)$$

$$\sin(B) = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2} = \cos(B)$$

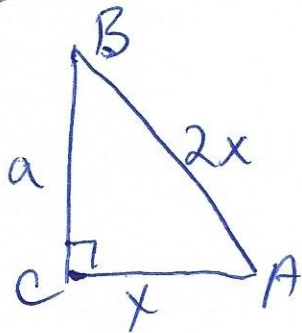
$$\tan(A) = \tan(B) = 1$$

$$\sec(A) = \sqrt{2}, \sec(B) = \sqrt{2}$$

$$\csc(A) = \sqrt{2}, \csc(B) = \sqrt{2}$$

$$\cot(A) = \cot(B) = 1$$

Ex:



$$a^2 + x^2 = (2x)^2$$

$$a^2 + x^2 = 4x^2$$

$$a^2 = 3x^2$$

$$a = x\sqrt{3}$$

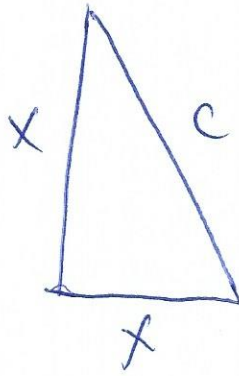
$$\sin(A) = \frac{x\sqrt{3}}{2x} = \frac{\sqrt{3}}{2}$$

$$\cos(A) = \frac{x}{2x} = \frac{1}{2}$$

$$\tan(A) = \frac{x\sqrt{3}}{x} = \sqrt{3}$$

2/19/19

Ex:



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

$$2x^2 = c^2$$

$$\sqrt{2x^2} = c$$

$$x\sqrt{2} = c$$

Exam #1 on 2/21/19