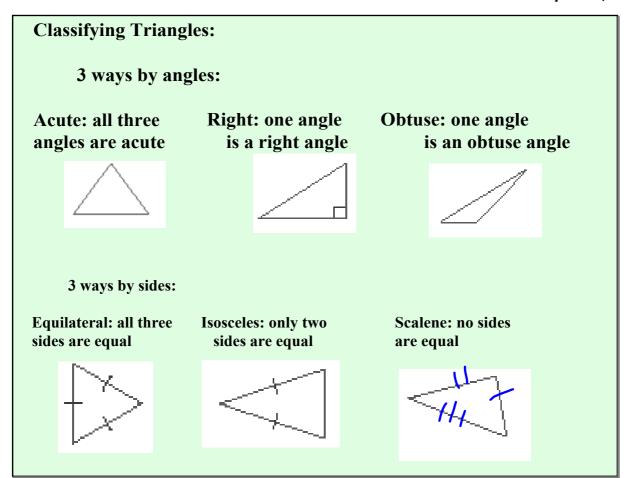


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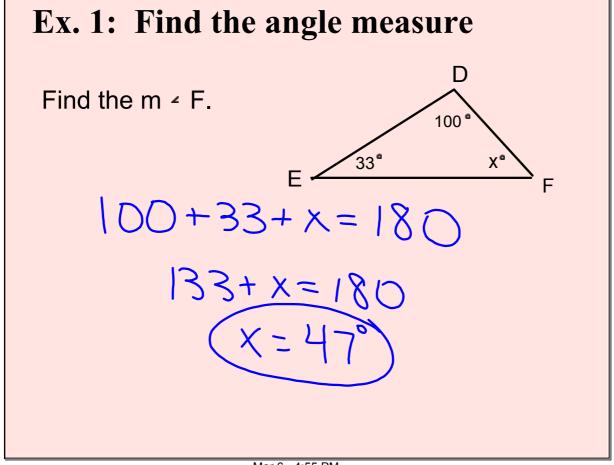
## 11-2

## **Triangles**

A figure made up of three connected line segments. It has three interior angles with a sum of 180°.







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## Ex. 2: Use ratios to find angle measures

The measures of the angles of Triangle XYZ are in the ratio 2:3:5. What are the measures of the angles?

Ratio [2:3:5]
$$2x + 3x + 5x = 180$$

$$10x = 180$$

$$x = 18$$

$$3.18$$

$$3.18$$

$$3.18$$

$$3.19$$

$$4.19$$

$$4.18$$

$$3.18$$

$$5.19$$

$$4.19$$

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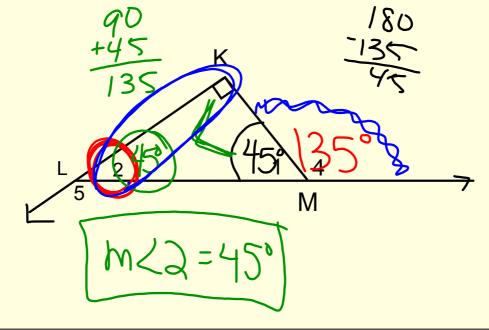
$$3.18$$

$$5.18$$

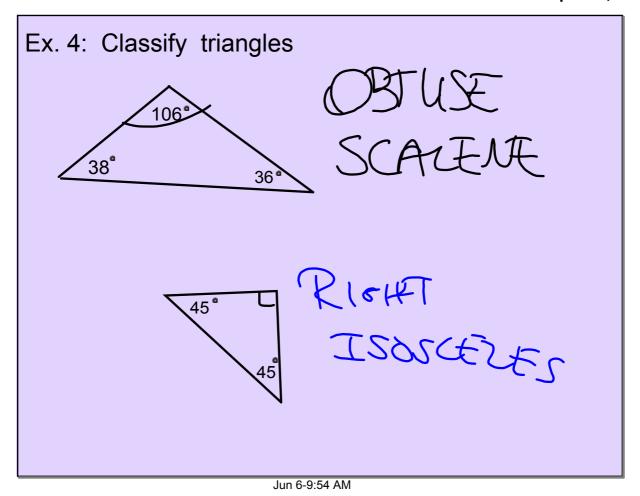
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## Ex. 3: Use exterior angles to find interior angles

The m  $\angle$  4 is 135°. Find m  $\angle$  2.



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