

## Investigating Angles

NCTM Standards 3, 4, 7, 8

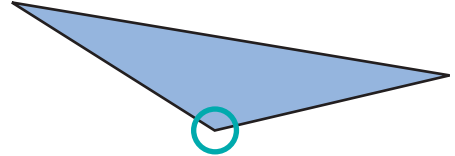
Tell whether each marked angle looks *acute*, *right*, or *obtuse*.

1



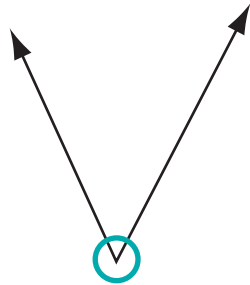
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2



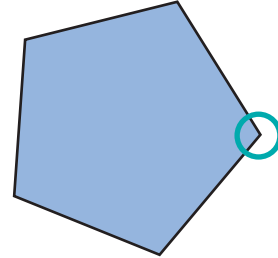
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3



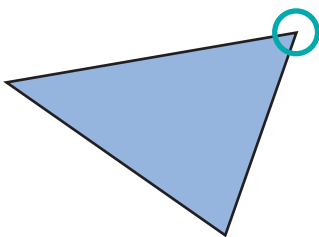
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4



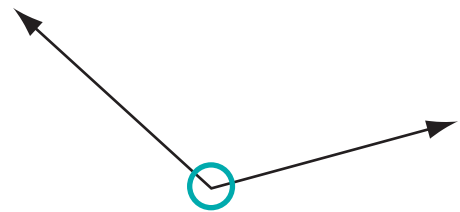
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5



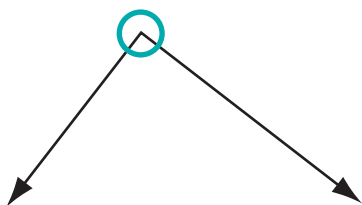
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6



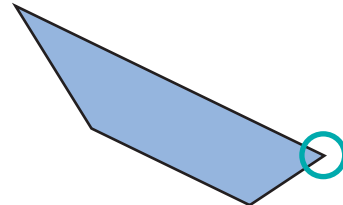
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7



\_\_\_\_\_

8



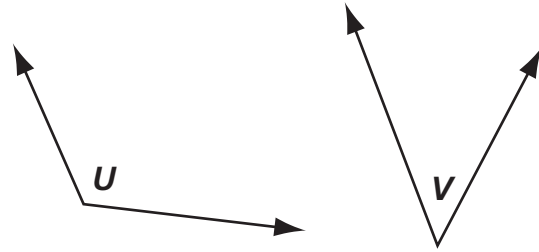
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For each pair of angles, identify which is bigger and explain your choice.



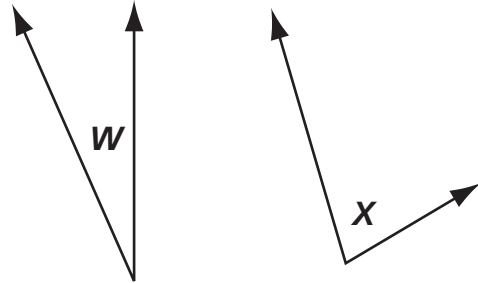
9 Which angle is bigger: *U* or *V*? \_\_\_\_\_

Explain: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



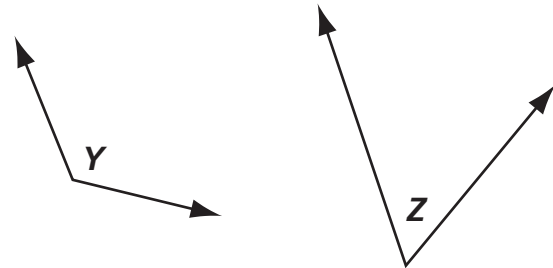
10 Which angle is bigger: *W* or *X*? \_\_\_\_\_

Explain: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



11 Which angle is bigger: *Y* or *Z*? \_\_\_\_\_

Explain: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



12 **Challenge** Can a triangle have two right angles?  
Explain your thinking with words and pictures.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_