

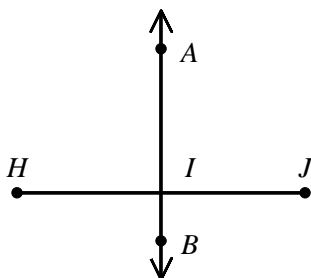
NAME: \_\_\_\_\_

1. (a) Define *obtuse angle*.  
(b) Define *acute angle*.

2. What angle is formed by lines that are perpendicular?

3. What angle is formed by two right angles?

4. Given:  $\overleftrightarrow{AB}$  is the perpendicular bisector of  $\overline{HJ}$ . Name three things that you can conclude.



(a) An obtuse angle is an angle that is larger than a right angle, but smaller than a straight angle.

[1] (b) An acute angle is an angle that is smaller than a right angle.

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[2] a right angle

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[3] a straight angle

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Any three of the following:  $\overline{AB} \perp \overline{HJ}$ ;  $\angle AIJ$ ,  $\angle JIB$ ,  $\angle BIH$ , and  $\angle HIA$  are rt  $\angle$ s;

[4]  $I$  is the midpoint of  $\overline{HJ}$ ;  $\overline{HI} \cong \overline{IJ}$ ;  $AH = AJ$ ,  $BH = BJ$

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