



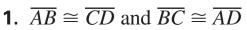
DATE

For use with pages 338-346

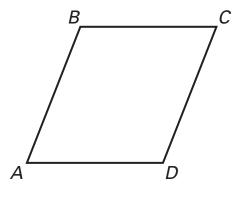
SET UP: Work with a partner.

NAME

Is ABCD a parallelogram? To decide, one partner draws and labels figure ABCD with the given properties while the other partner tries to draw a figure ABCD that has the given properties but is *not* a parallelogram. When ABCD is not a parallelogram, include a sketch that supports your answer. Switch roles for each exercise.



- **2.**  $\overline{BD}$  and  $\overline{AC}$  bisect each other.
- **3.**  $\overline{BD}$  and  $\overline{AC}$  are angle bisectors.
- **4.**  $\overline{AB} \parallel \overline{CD}$  and  $\overline{BC} \cong \overline{AD}$
- **5.**  $\overline{BC} \cong \overline{AD}$  and  $\overline{BC} \parallel \overline{AD}$
- **6.**  $\angle A \cong \angle C$  and  $\angle B \cong \angle D$
- **7.**  $\angle A$  and  $\angle B$  are supplementary;  $\angle C$  and  $\angle D$  are supplementary.
- **8.**  $\angle A$  is supplementary to  $\angle B$  and  $\angle D$ .
- **9**.  $\overline{BD} \cong \overline{AC}$
- **10.**  $\overline{AB} \parallel \overline{CD}$  and  $\overline{BC} \parallel \overline{AD}$



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