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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_  **Problem Set** for lesson 51 Geometry |



1. If the diagonals of  are  and . Which is *always* true?

(1)  (2) 

(3)  (4) 

1. In , diagonals  and  meet at E. Which is *always* true?

(1)  (2) 

(3)  (4) 

1. In , diagonals  and  meet at E. Which is *always* true?

(1)  is an isosceles triangle (3) 

(2)  is a right triangle (4)  is a right triangle



1. Given: ABCD is a parallelogram

, , 

Prove: EBFD is a parallelogram