



#### **Student Outcomes**

Students examine the relationships created by special lines in triangles, namely mid-segments. 

#### **Classwork**

#### **Opening Exercise (7 minutes)**



#### **Discussion (15 minutes)**





Lesson 29: Special Lines in Triangles 10/10/14

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Exercises 1-4 (13 minutes)



#### Exit Ticket (5 minutes)







Date:





Name \_\_\_\_\_

Date

# Lesson 29: Special Lines in Triangles

## **Exit Ticket**

Use the properties of midsegments to solve for the unknown value in each question.

1. *R* and *S* are the midpoints of  $\overline{XW}$  and  $\overline{WY}$ , respectively. What is the perimeter of  $\triangle WXY$ ?



2. What is the perimeter of  $\triangle EFG$ ?





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### **Exit Ticket Sample Solutions**



## **Problem Set Sample Solutions**





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