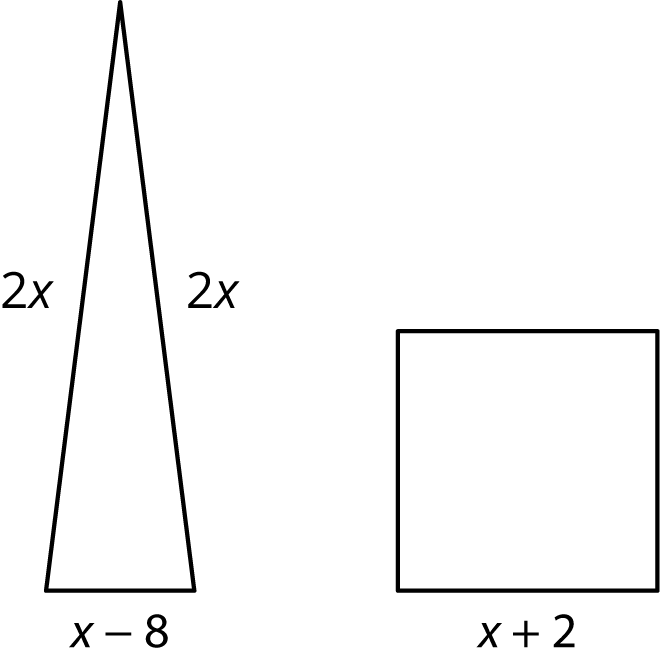
## Unit 4 Lesson 6: Strategic Solving

### 1 Equal Perimeters (Warm up)

#### Student Task Statement

The triangle and the square have equal perimeters.

1. Find the value of .
2. What is the perimeter of each of the figures?



### 2 Predicting Solutions

#### Student Task Statement

Without solving, identify whether these equations have a solution that is positive, negative, or zero.

### 3 Which Would You Rather Solve?

#### Student Task Statement

Here are a lot of equations:

A.

B.

C.

D.

E.

F.

G.

H.

I.

J.

1. Without solving, identify 3 equations that you think would be least difficult to solve and 3 equations you think would be most difficult to solve. Be prepared to explain your reasoning.
2. Choose 3 equations to solve. At least one should be from your "least difficult" list and one should be from your "most difficult" list.



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