

10 – HW#4 Area Using Quadratics

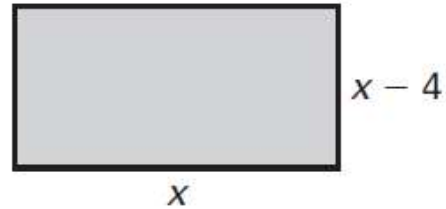
Name _____ Per _____

Find the missing variable for each problem.

1. Area of the rectangle = 28

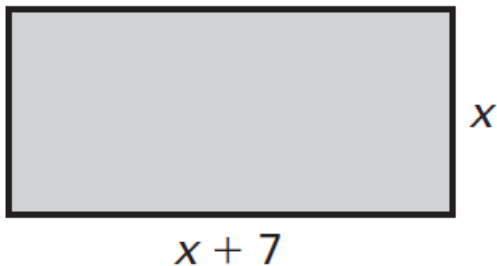


2. Area of the rectangle = 32

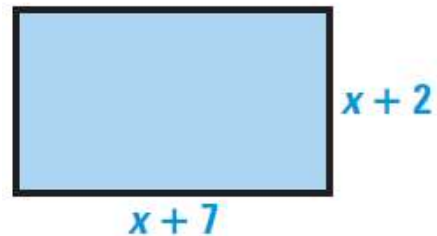


3. **Hopscotch** The community playground has a hopscotch pad that is 8 feet longer than it is wide. The total area of the pad is 48 square feet. What are the dimensions of the hopscotch pad?

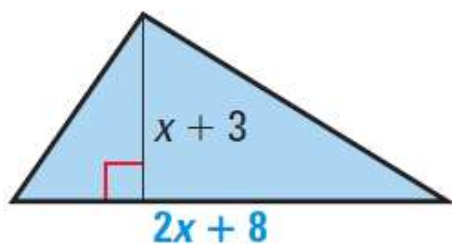
4. Area of rectangle = 78



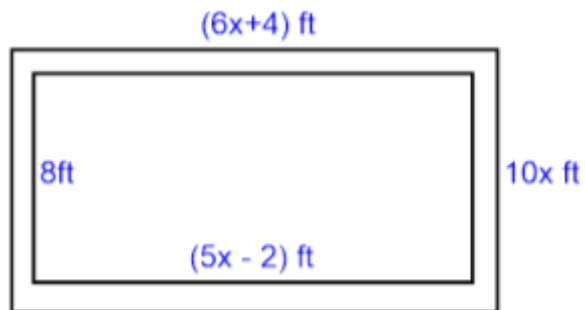
5. Area of rectangle = 84



6. Area of triangle = 42



7. You are putting a mat around your rectangular trampoline. Write a polynomial expression to represent the area of the mat. (Simplify, but do not solve!)



8. Find the total area of the shape.

