Name_____ Date _____

7.2 Enrichment and Extension

Perimeter and Area

Perimeter of a Rectangle: $P = 2\ell + 2w$

Area of a Rectangle: $A = \ell \bullet w$

Area of a Square: $A = s^2$

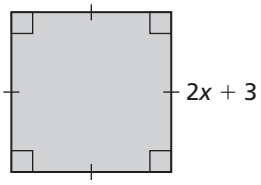
Area of a Triangle: $A = \frac{1}{2}bh$

Area of a Parallelogram: $A = b \bullet h$

Pythagorean Theorem: $a^2 + b^2 = c^2$

In Exercises 1–3, write an algebraic expression for the area and perimeter of each figure.

1.



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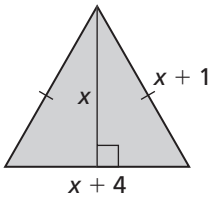

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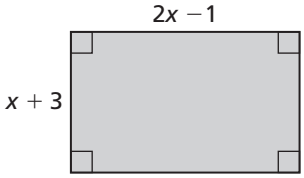
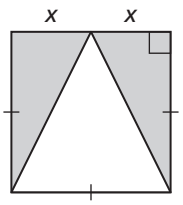


In Exercises 4–9, write an algebraic expression for the shaded area of the figure. (Recall that the height of an isosceles triangle bisects the base.)

4.



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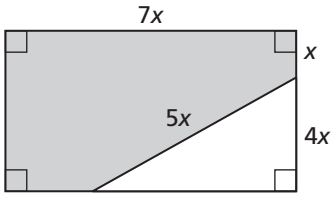

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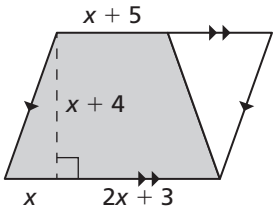

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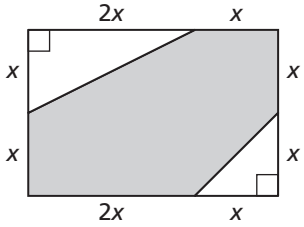
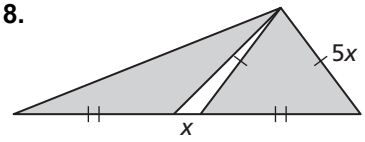


8.



9.