



REFRESH

- 1) $\angle R$ and $\angle S$ are congruent and form a right angle. What is the measure of $\angle S$?

- 2) The width of a rectangle is 6 inches shorter than 3 times its length. The width of the rectangle is at most 45 millimeters. Which inequality can be used to find x , the length of the rectangle?
 - a) $6 - 3x \leq 45$
 - b) $6 - 3x \geq 45$
 - c) $3x - 6 \leq 45$
 - d) $3x - 6 \geq 45$

- 3) Look at the expression. $27x^2 - 45xy - 18y^2$
 - a) What is the GCF of this expression?
 - b) What is the factored form of the expression?

- 4) A contractor charges \$14.60 per square foot to build a deck. Jody wants to have a rectangular deck built that is 16 feet long and 18 feet wide. Jody estimates the total charge from the contractor to be \$3,000. Is her estimate reasonable? Solve and explain.