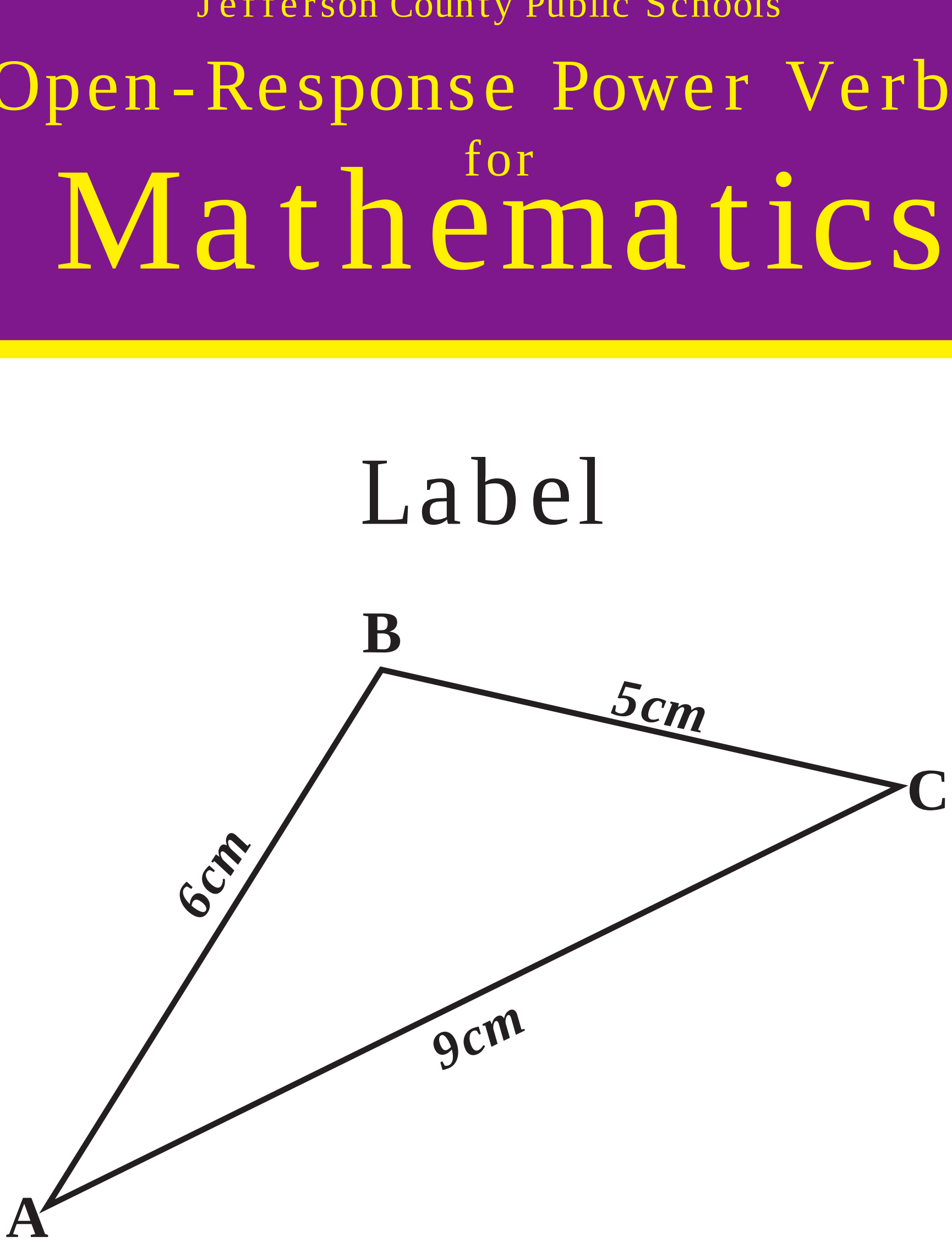
Jefferson County Public Schools

Open-Response Power Verbs for Mathematics

Label



Show names or values for length, width, axes, points, angles, etc.

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Solve/Calculate

$$4x + 1 = 3x - 4$$

$$4x + 1 + -3x = 3x - 4 + -3x$$

$$x + 1 = -4$$

$$x + 1 + -1 = -4 + -1$$

$$x = -5$$

Find values for a variable in an equation.

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Simplify

$$2\,(4 - {}^{-}5)^3 =$$

$$2\,(4 + 5)^3 =$$

$$2\,(9)^3 =$$

$$2\,(9)\,(9)\,(9) =$$

$$1{,}458$$

Perform operations on expressions.

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Model

$2x + -3$

Draw a representation.

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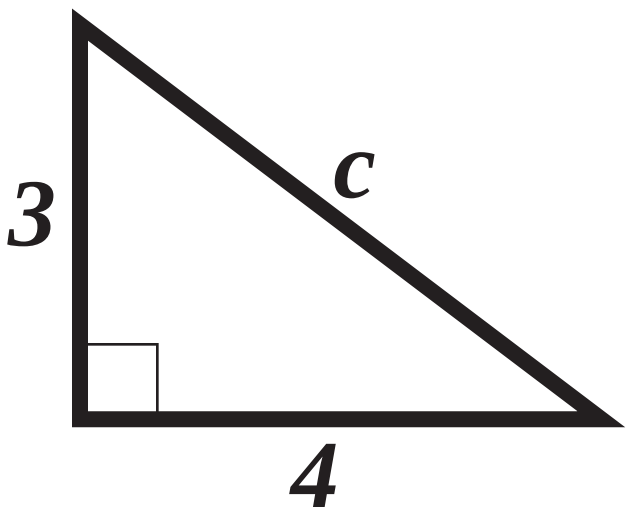
Show Work



$$c^2 = 3^2 + 4^2$$

$$c^2 = 9 + 16$$

$$c^2 = 25$$

$$c = \sqrt{25}$$

$$c = 5$$

List mathematical steps.

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Predict

Hours Worked	Salary
1	*5*
2	*10*
3	*15*

The salary for 10 hours is $50.

Use a graph or a table to estimate.

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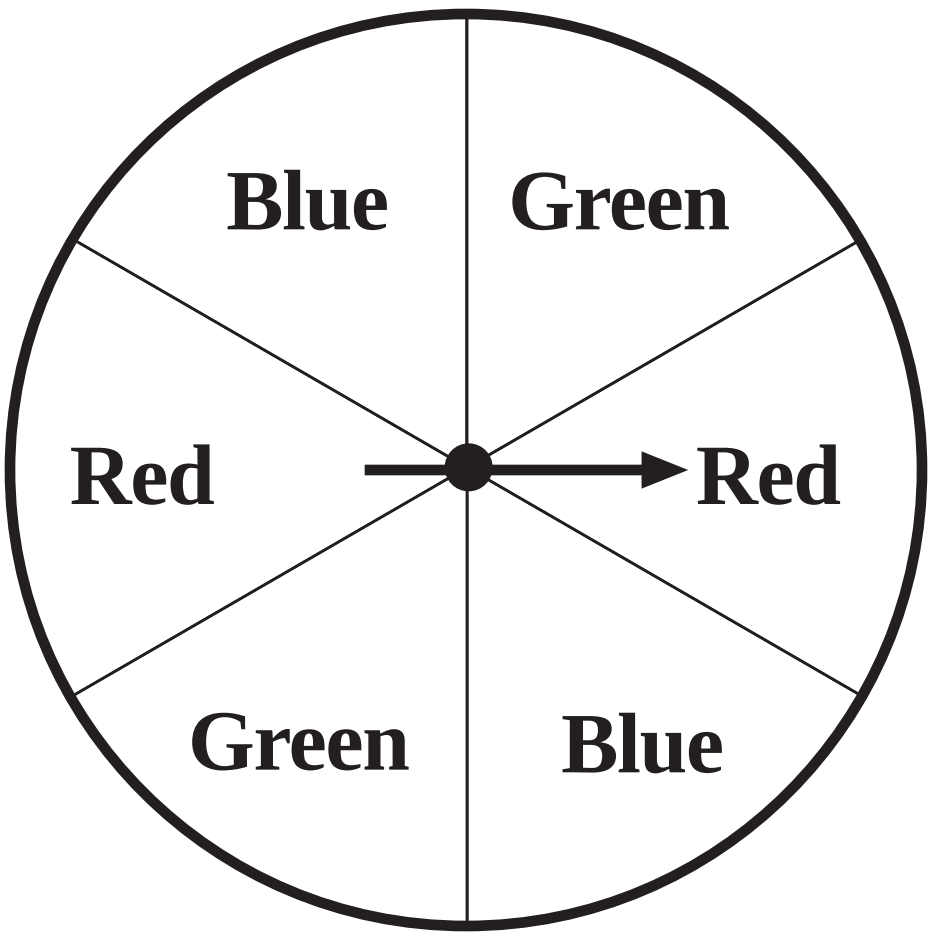
Identify/Find



The probability of spinning red is 1/3.

Tell the answer.

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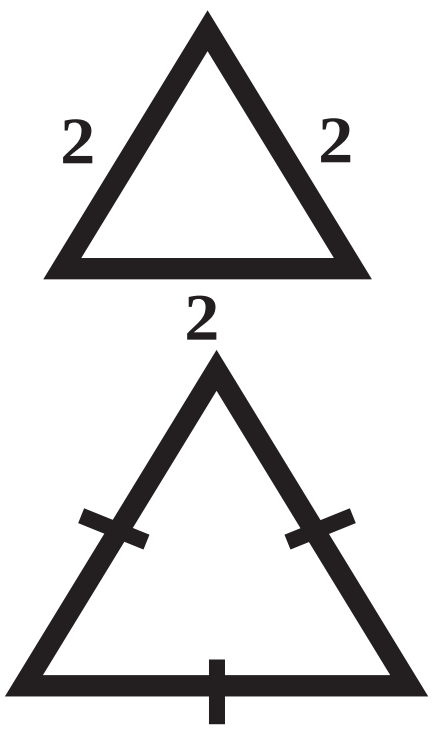
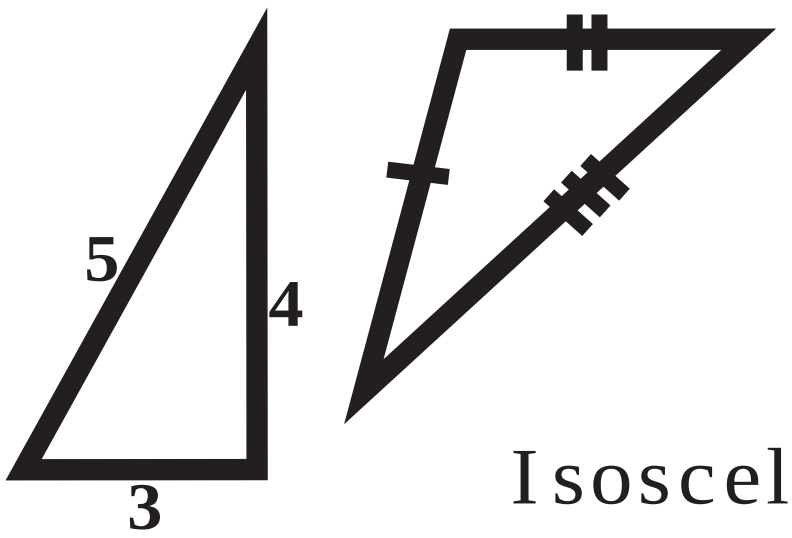
Classify

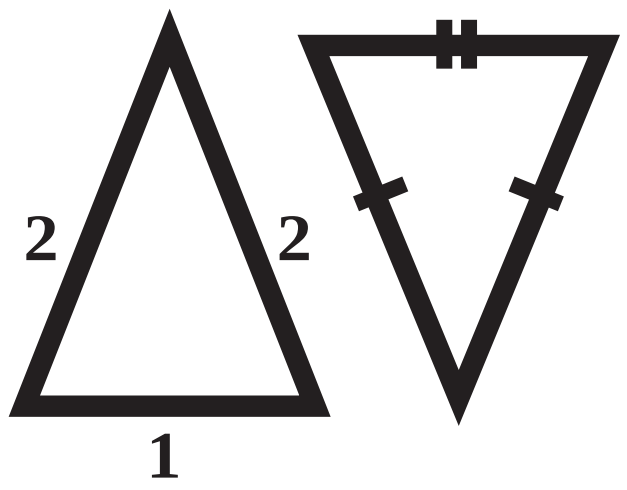
Equilateral



Scalene



Isosceles



Arrange in groups with similar characteristics.

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Evaluate

If $x = 3$, then

$x^2 + 4 =$

$3^2 + 4 =$

$3 \cdot 3 + 4 =$

$9 + 4 =$

13

Substitute values for variables and simplify.

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Justify/Explain

What percent is shaded?

Two out of five parts are shaded.

Find the equivalent fraction.

$$\frac{2}{5} = \frac{x}{100}$$

$$\frac{2}{5} \cdot \frac{20}{20} = \frac{x}{100}$$

$$x = 40$$

List mathematical steps and the reasons for the steps.

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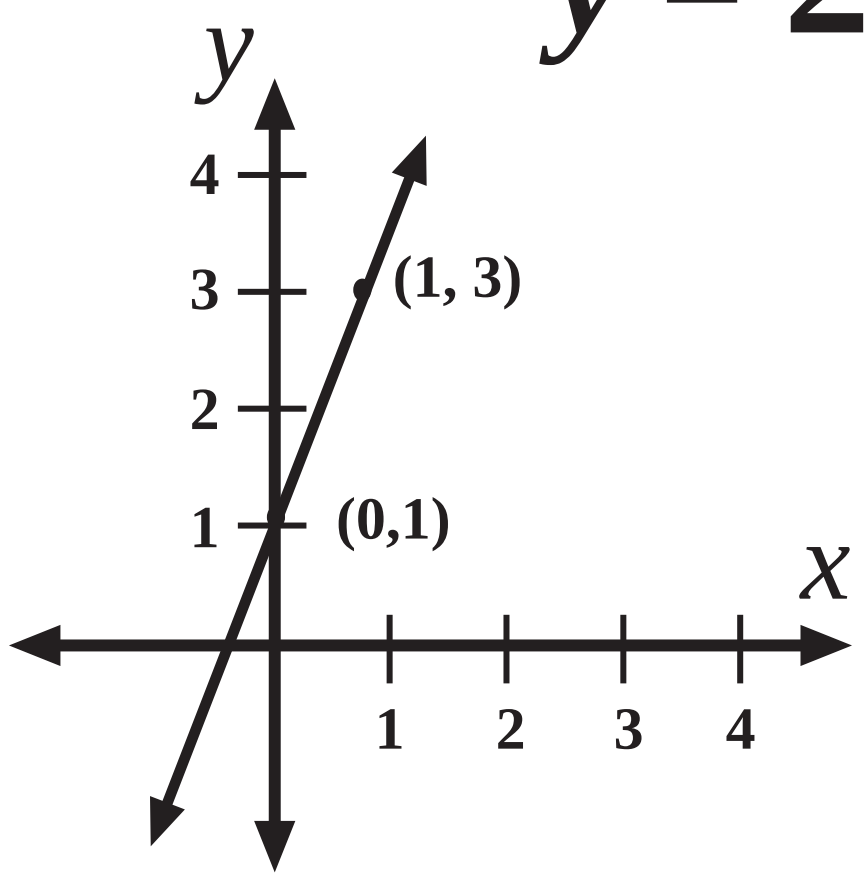
Graph

$$y = 2x + 1$$



Plot points or draw a line.