



4. Solve each of these equations. Explain or show your reasoning.

a.  $3(x - 5) = 6$

b.  $2\left(x - \frac{2}{3}\right) = 0$

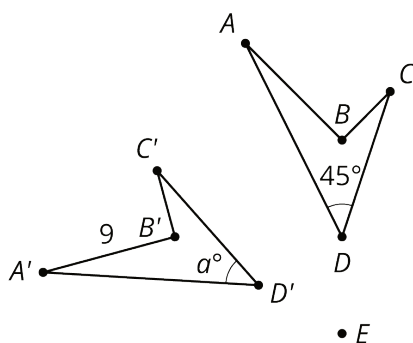
c.  $4x - 5 = 2 - x$

(From Unit 4, Lesson 4.)

5. The points  $(-2, 0)$  and  $(0, -6)$  are each on the graph of a linear equation. Is  $(2, 6)$  also on the graph of this linear equation? Explain your reasoning.

(From Unit 3, Lesson 13.)

6. In the picture triangle  $A'B'C'$  is an image of triangle  $ABC$  after a rotation. The center of rotation is  $E$ .



a. What is the length of side  $AB$ ? Explain how you know.

b. What is the measure of angle  $D'$ ? Explain how you know.

(From Unit 1, Lesson 7.)