

Unit 1; Name:

Per:

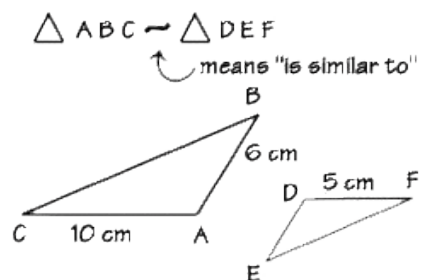
1) Solve for x as an integer or fraction.

$$3(5x + 1) = 2x$$

2) Solve for x as an integer or improper fraction.

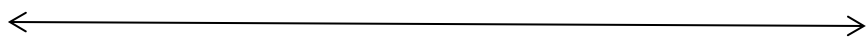
$$\frac{x + 3}{5} = \frac{7}{4}$$

3) Find the length of DE?

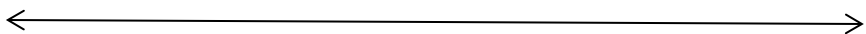


4) Solve and graph the following inequalities.

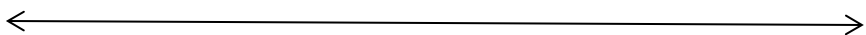
a) $6 \leq 9x - 3$



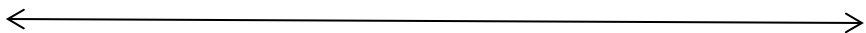
b) $5 - 2x > 7$



c) $-3 < 5 - x < 15$



d) $x + 2 > -5$ or $x - 7 < -15$



Graph the inequality of the age a person can NOT get a driver's license.

Graph the inequality of the age of a person in high school.