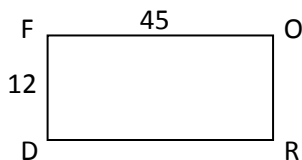
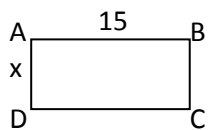


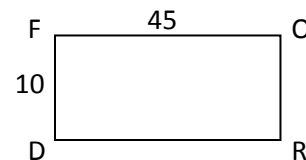
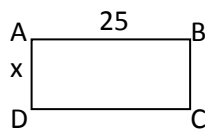
Topic 21: Similarity & Proportions

1) $ABCD \sim FORD$



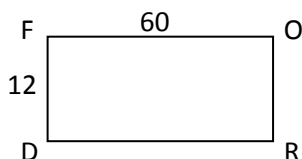
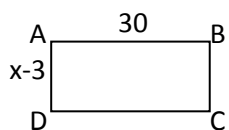
Find the length of AC

2) $ABCD \sim FORD$



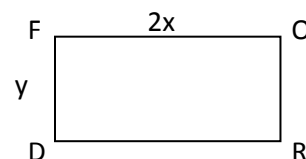
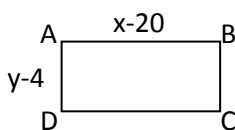
Find the length of AC

3) $ABCD \sim FORD$



Find the length of AC

4) $ABCD \sim FORD$ with a proportion of 1:3



Find the length of all the sides

5) What are the type of shapes in problems 1-4?

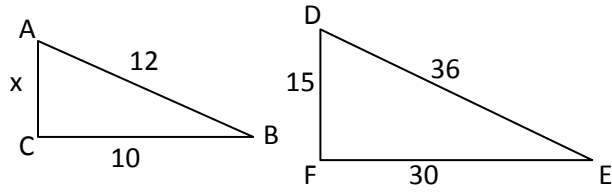
6) My favorite pancake recipe feeds 5 people. I want to make enough for 15 people. What ingredients do I need?

- 1 1/2 cups all-purpose flour
- 3 1/2 teaspoons baking powder
- 1 teaspoon salt
- 1 tablespoon white sugar
- 1 1/4 cups milk
- 1 egg
- 3 tablespoons butter, melted

7) The actual 1970 Dodge Charger 1970 was 208 inches in length and total wheel diameter of 30 inches. Hotwheels made a version that was 2 inches in length with wheels of 1/3 inches in diameter. Are the two cars similar?

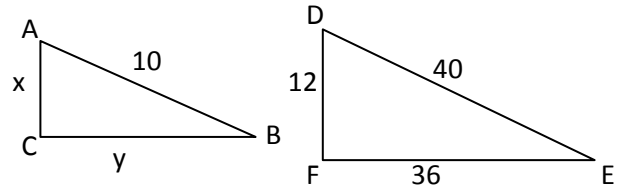


8) $\triangle ABC \sim \triangle DEF$



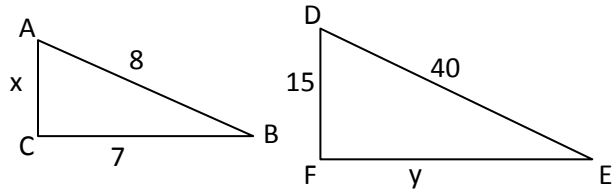
Find the length of AC

9) $\triangle ABC \sim \triangle DEF$



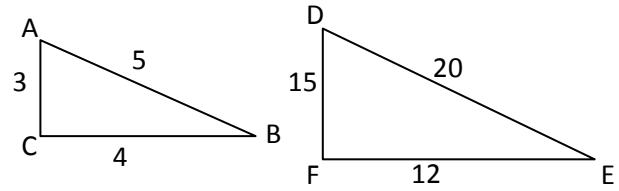
Find the lengths of AC & CB

10) $\triangle ABC \sim \triangle DEF$

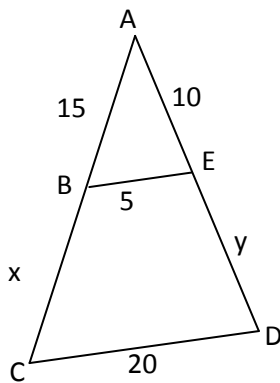


Find the length of AC & FE

11) Is $\triangle ABC \sim \triangle DEF$?

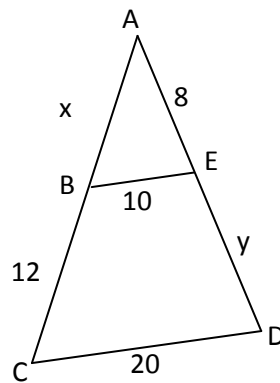


12) $\triangle ABE \sim \triangle ACD$



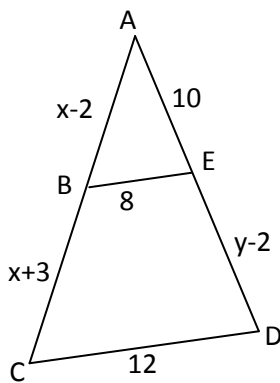
Find the length of BC & ED

13) $\triangle ABE \sim \triangle ACD$



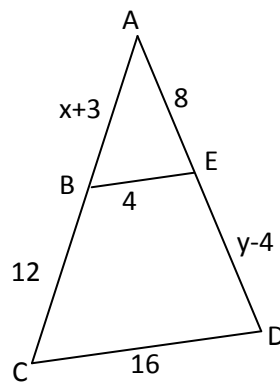
Find the length of AB & ED

14) $\triangle ABE \sim \triangle ACD$



Find the length of AB, BC & ED

15) $\triangle ABE \sim \triangle ACD$



Find the length of AB, BC & ED