

Assignment

Date _____ Period _____

Solve each proportion.

1) $\frac{v}{7} = \frac{2}{8}$

2) $\frac{6}{2} = \frac{4}{5r}$

3) $\frac{n}{6} = \frac{7}{8}$

4) $\frac{k}{9} = \frac{6}{7}$

5) $\frac{5}{3} = \frac{n}{4}$

6) $\frac{b}{7} = \frac{9}{10}$

7) $\frac{9}{2} = \frac{x}{8}$

8) $\frac{9}{p} = \frac{8}{10}$

9) $\frac{5}{9} = \frac{r}{5}$

10) $\frac{k}{3} = \frac{4}{10}$

11) $\frac{7}{3} = \frac{7n}{4}$

12) $\frac{6}{9} = \frac{n}{7}$

13) $\frac{7}{3} = \frac{4v}{7}$

14) $\frac{x}{2} = \frac{7}{6}$

15) $\frac{9}{a} = \frac{5}{3}$

16) $\frac{5}{10} = \frac{6}{b}$

17) $\frac{9}{x} = \frac{5}{3}$

18) $\frac{9}{7} = \frac{m}{5}$

19) $\frac{r}{2} = \frac{3}{7}$

20) $\frac{p}{10} = \frac{8}{2}$

21) $\frac{2}{n} = \frac{8}{9}$

22) $\frac{3}{a} = \frac{10}{9}$

23) $\frac{9}{6} = \frac{5}{x}$

24) $\frac{4}{10} = \frac{a}{8}$

25) $\frac{9}{7} = \frac{4}{r}$

26) $\frac{2}{x} = \frac{5}{4}$

27) $\frac{8}{4} = \frac{x}{3}$

28) $\frac{2}{x} = \frac{4}{2}$

29) $\frac{10}{8} = \frac{x}{3}$

30) $\frac{x}{6} = \frac{6}{9}$

31) $\frac{3}{10} = \frac{5}{x}$

32) $\frac{10}{n} = \frac{4}{8}$

33) $\frac{n}{2} = \frac{7}{3}$

34) $\frac{3}{6} = \frac{p}{2}$

35) $\frac{5}{8} = \frac{n}{3}$

36) $\frac{9}{5} = \frac{n}{2}$

37) $\frac{7}{2} = \frac{r}{6}$

38) $\frac{8}{3} = \frac{n}{4}$

39) $\frac{x}{8} = \frac{10}{7}$

40) $\frac{x}{8} = \frac{3}{9}$

41) $\frac{6}{7} = \frac{8}{p}$

42) $\frac{3}{10} = \frac{8}{m}$

43) $\frac{3}{r} = \frac{7}{3}$

44) $\frac{4}{v} = \frac{5}{8}$

45) $\frac{p}{4} = \frac{8}{9}$

46) $\frac{10}{x} = \frac{8}{7}$

47) $\frac{m}{6} = \frac{4}{10}$

48) $\frac{7}{8} = \frac{2}{b}$

$$49) \frac{8}{r} = \frac{4}{8}$$

$$50) \frac{n}{10} = \frac{4}{8}$$

$$51) \frac{8}{3} = \frac{n}{7}$$

$$52) \frac{4}{3} = \frac{n}{2}$$

$$53) \frac{n}{8} = \frac{2}{6}$$

$$54) \frac{8}{7} = \frac{6}{a}$$

$$55) \frac{7}{4} = \frac{b}{6}$$

$$56) \frac{4}{10} = \frac{8}{n}$$

$$57) \frac{6}{3} = \frac{8}{x}$$

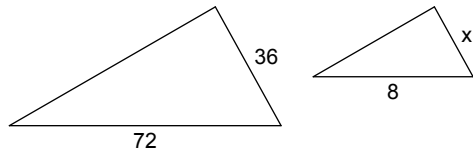
$$58) \frac{a}{3} = \frac{10}{5}$$

$$59) \frac{r}{10} = \frac{8}{5}$$

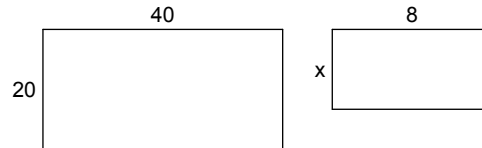
$$60) \frac{2}{6} = \frac{9}{x}$$

Each pair of figures is similar. Find the missing side.

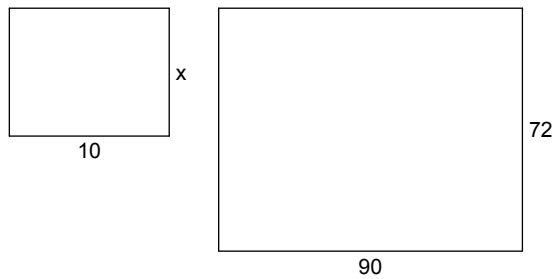
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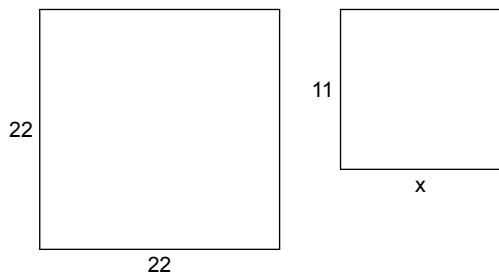
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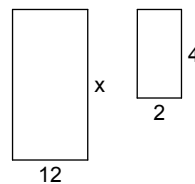
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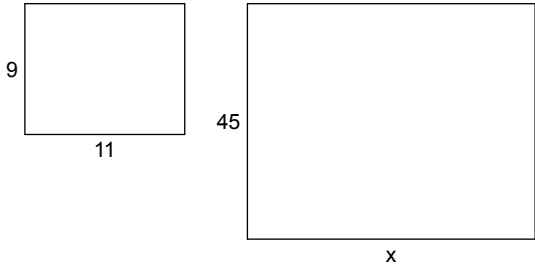
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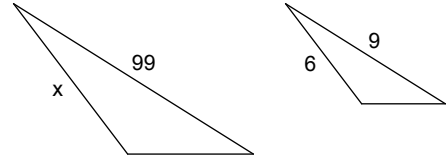
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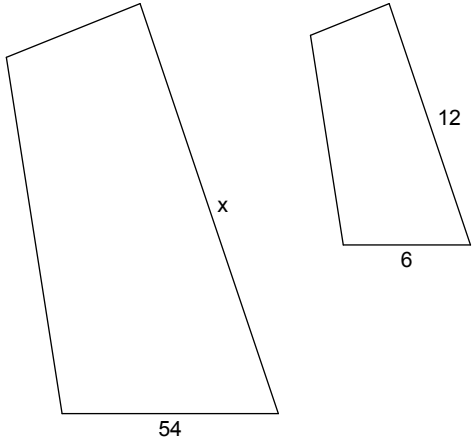
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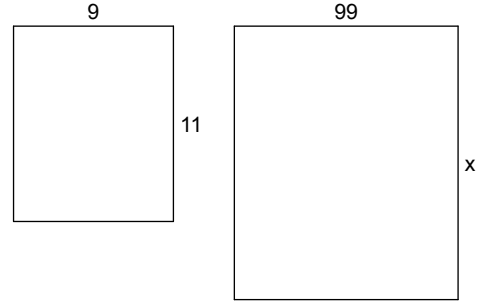
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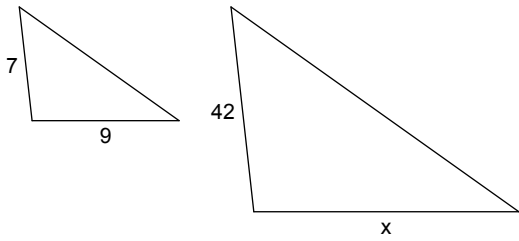
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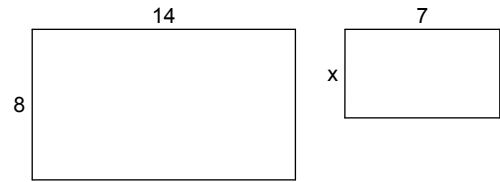
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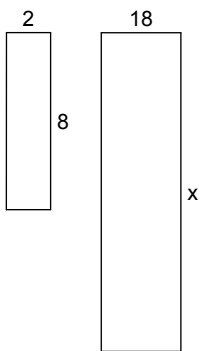
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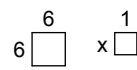
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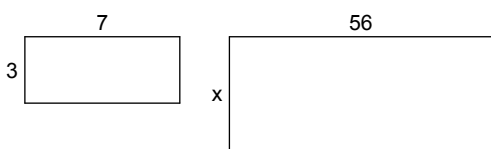
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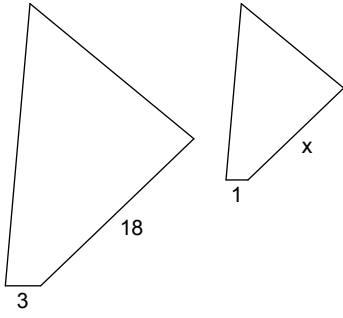
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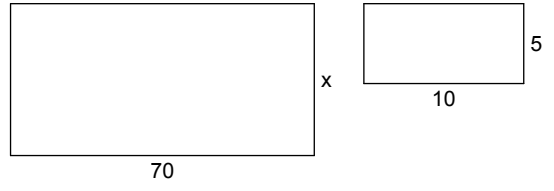
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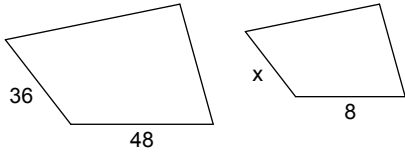
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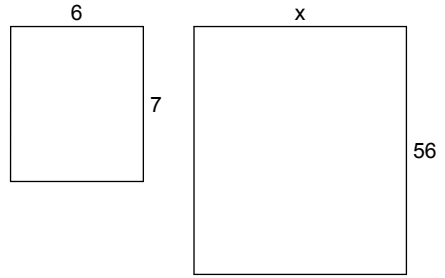
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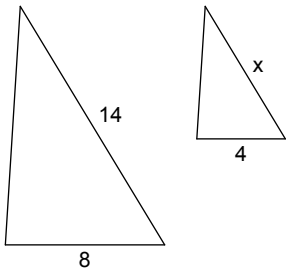
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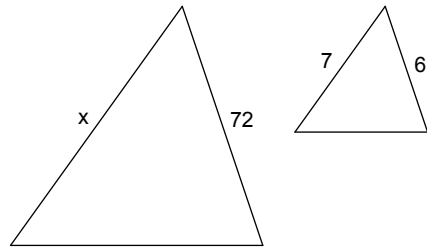
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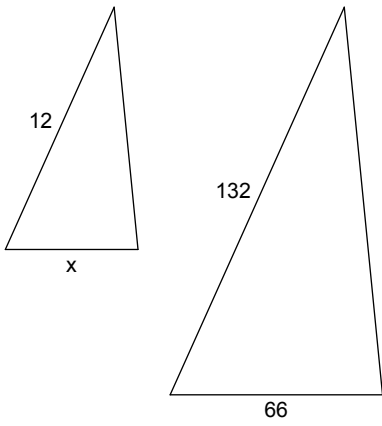
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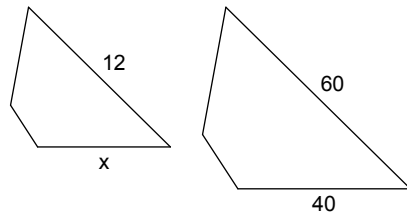
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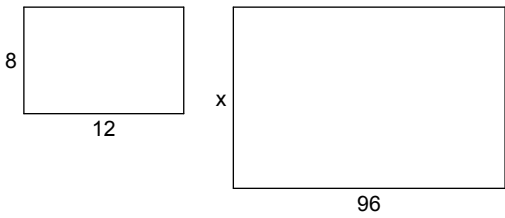
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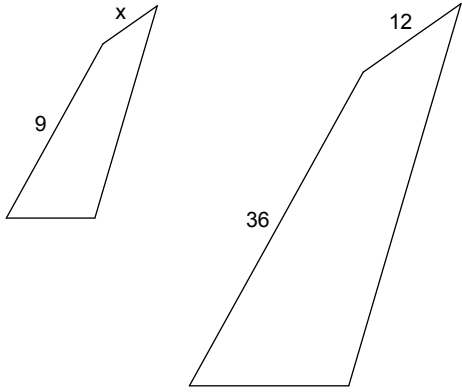
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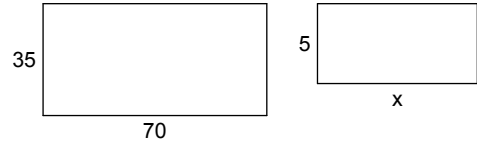
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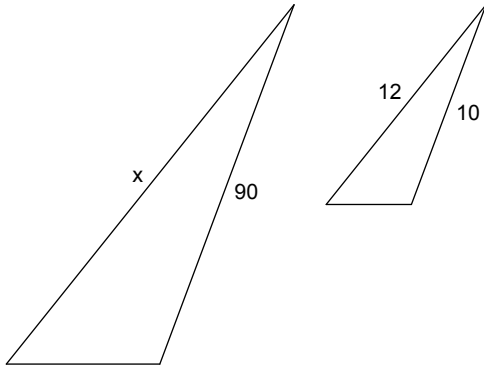
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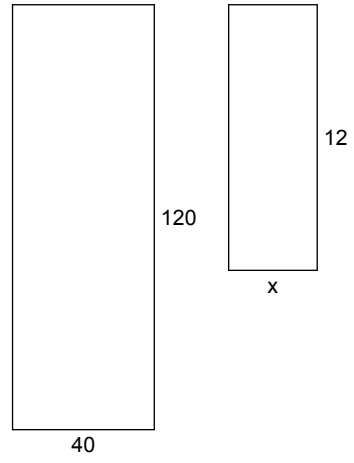
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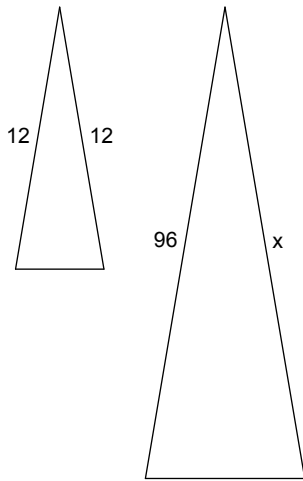
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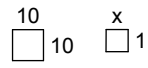
88)



89)



90)



Assignment

Date _____ Period _____

Solve each proportion.

1) $\frac{v}{7} = \frac{2}{8}$

{1.75}

3) $\frac{n}{6} = \frac{7}{8}$

{5.25}

5) $\frac{5}{3} = \frac{n}{4}$

{6.67}

7) $\frac{9}{2} = \frac{x}{8}$

{36}

9) $\frac{5}{9} = \frac{r}{5}$

{2.78}

11) $\frac{7}{3} = \frac{7n}{4}$

{1.33}

13) $\frac{7}{3} = \frac{4v}{7}$

{4.08}

15) $\frac{9}{a} = \frac{5}{3}$

{5.4}

17) $\frac{9}{x} = \frac{5}{3}$

{5.4}

19) $\frac{r}{2} = \frac{3}{7}$

{0.86}

21) $\frac{2}{n} = \frac{8}{9}$

{2.25}

2) $\frac{6}{2} = \frac{4}{5r}$

{0.27}

4) $\frac{k}{9} = \frac{6}{7}$

{7.71}

6) $\frac{b}{7} = \frac{9}{10}$

{6.3}

8) $\frac{9}{p} = \frac{8}{10}$

{11.25}

10) $\frac{k}{3} = \frac{4}{10}$

{1.2}

12) $\frac{6}{9} = \frac{n}{7}$

{4.67}

14) $\frac{x}{2} = \frac{7}{6}$

{2.33}

16) $\frac{5}{10} = \frac{6}{b}$

{12}

18) $\frac{9}{7} = \frac{m}{5}$

{6.43}

20) $\frac{p}{10} = \frac{8}{2}$

{40}

22) $\frac{3}{a} = \frac{10}{9}$

{2.7}

$$23) \frac{9}{6} = \frac{5}{x}$$
$$\{3.33\}$$

$$25) \frac{9}{7} = \frac{4}{r}$$
$$\{3.11\}$$

$$27) \frac{8}{4} = \frac{x}{3}$$
$$\{6\}$$

$$29) \frac{10}{8} = \frac{x}{3}$$
$$\{3.75\}$$

$$31) \frac{3}{10} = \frac{5}{x}$$
$$\{16.67\}$$

$$33) \frac{n}{2} = \frac{7}{3}$$
$$\{4.67\}$$

$$35) \frac{5}{8} = \frac{n}{3}$$
$$\{1.88\}$$

$$37) \frac{7}{2} = \frac{r}{6}$$
$$\{21\}$$

$$39) \frac{x}{8} = \frac{10}{7}$$
$$\{11.43\}$$

$$41) \frac{6}{7} = \frac{8}{p}$$
$$\{9.33\}$$

$$43) \frac{3}{r} = \frac{7}{3}$$
$$\{1.29\}$$

$$45) \frac{p}{4} = \frac{8}{9}$$
$$\{3.56\}$$

$$47) \frac{m}{6} = \frac{4}{10}$$
$$\{2.4\}$$

$$24) \frac{4}{10} = \frac{a}{8}$$
$$\{3.2\}$$

$$26) \frac{2}{x} = \frac{5}{4}$$
$$\{1.6\}$$

$$28) \frac{2}{x} = \frac{4}{2}$$
$$\{1\}$$

$$30) \frac{x}{6} = \frac{6}{9}$$
$$\{4\}$$

$$32) \frac{10}{n} = \frac{4}{8}$$
$$\{20\}$$

$$34) \frac{3}{6} = \frac{p}{2}$$
$$\{1\}$$

$$36) \frac{9}{5} = \frac{n}{2}$$
$$\{3.6\}$$

$$38) \frac{8}{3} = \frac{n}{4}$$
$$\{10.67\}$$

$$40) \frac{x}{8} = \frac{3}{9}$$
$$\{2.67\}$$

$$42) \frac{3}{10} = \frac{8}{m}$$
$$\{26.67\}$$

$$44) \frac{4}{v} = \frac{5}{8}$$
$$\{6.4\}$$

$$46) \frac{10}{x} = \frac{8}{7}$$
$$\{8.75\}$$

$$48) \frac{7}{8} = \frac{2}{b}$$
$$\{2.29\}$$

$$49) \frac{8}{r} = \frac{4}{8}$$

{16}

$$50) \frac{n}{10} = \frac{4}{8}$$

{5}

$$51) \frac{8}{3} = \frac{n}{7}$$

{18.67}

$$52) \frac{4}{3} = \frac{n}{2}$$

{2.67}

$$53) \frac{n}{8} = \frac{2}{6}$$

{2.67}

$$54) \frac{8}{7} = \frac{6}{a}$$

{5.25}

$$55) \frac{7}{4} = \frac{b}{6}$$

{10.5}

$$56) \frac{4}{10} = \frac{8}{n}$$

{20}

$$57) \frac{6}{3} = \frac{8}{x}$$

{4}

$$58) \frac{a}{3} = \frac{10}{5}$$

{6}

$$59) \frac{r}{10} = \frac{8}{5}$$

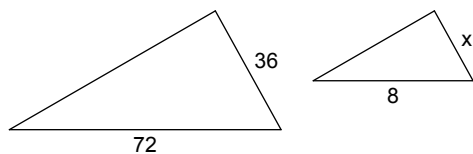
{16}

$$60) \frac{2}{6} = \frac{9}{x}$$

{27}

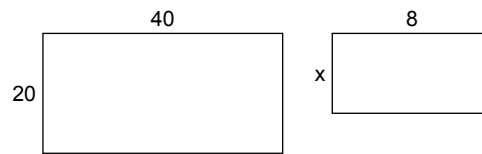
Each pair of figures is similar. Find the missing side.

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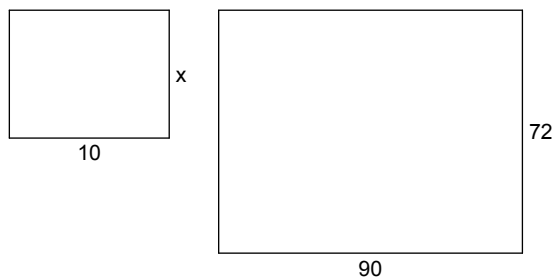
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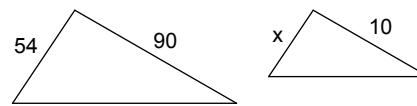
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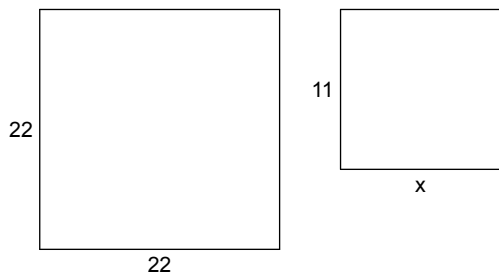
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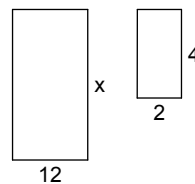
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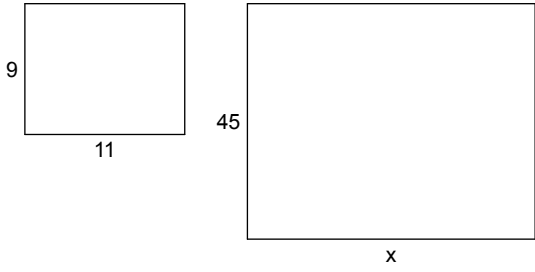
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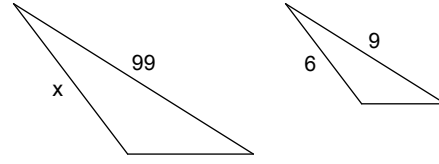
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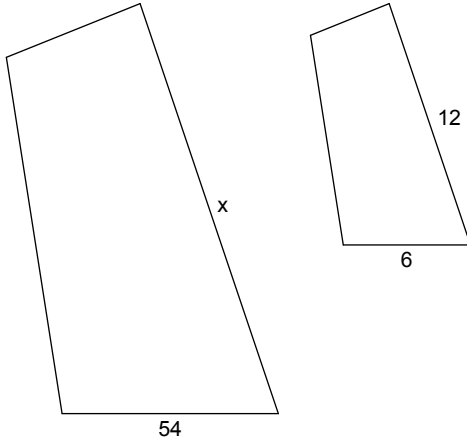
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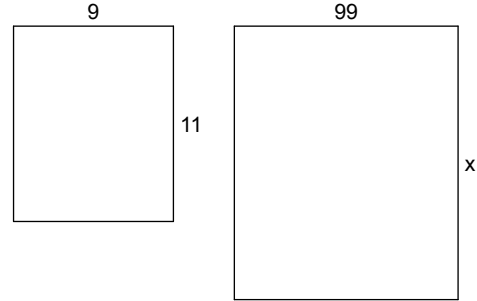
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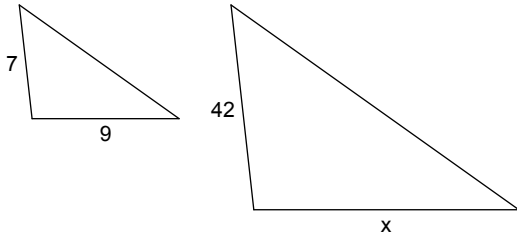
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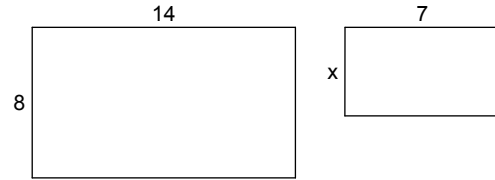
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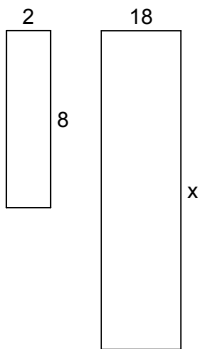
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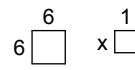
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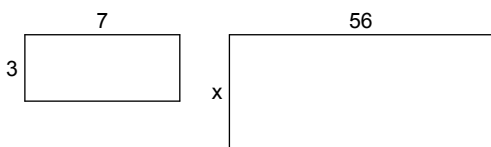
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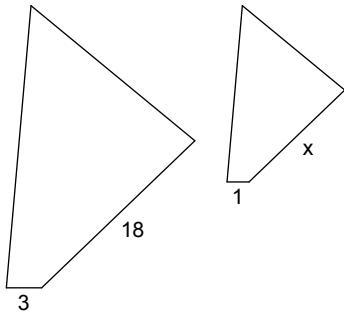
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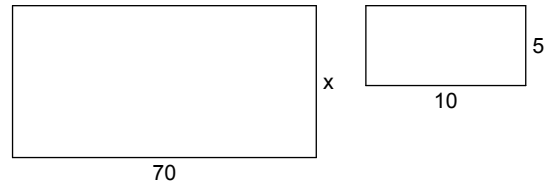
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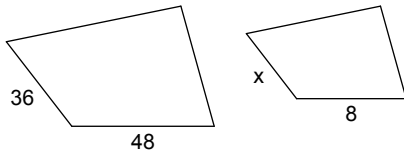
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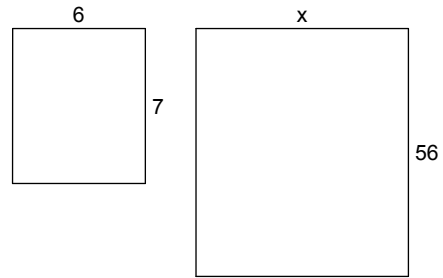
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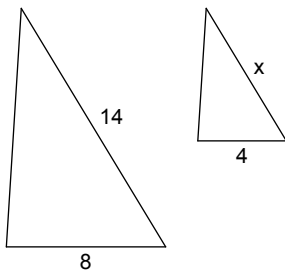
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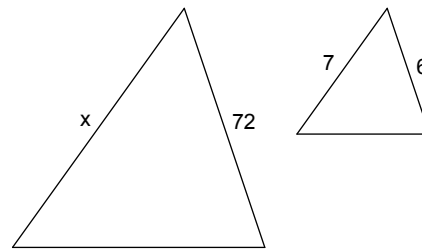
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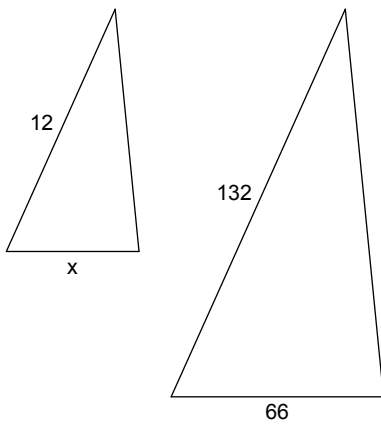
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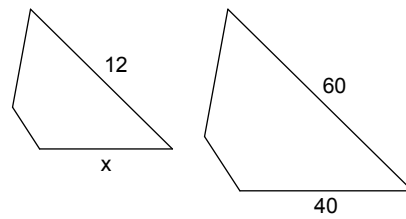
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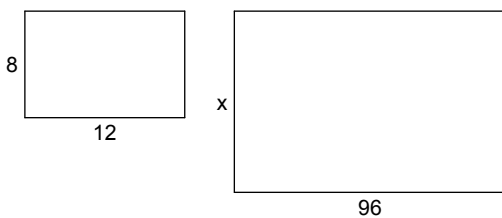
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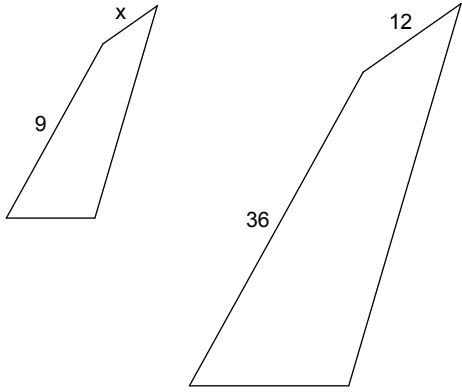
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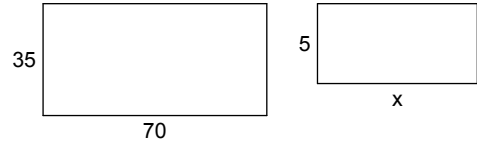
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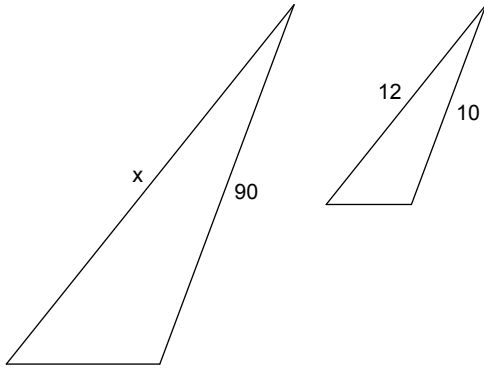
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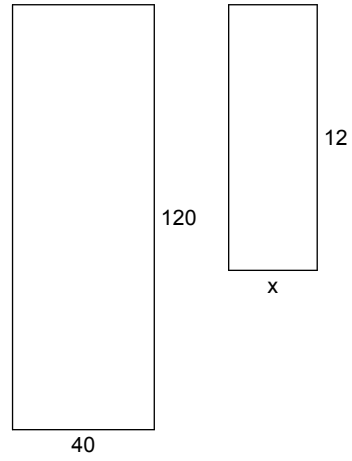
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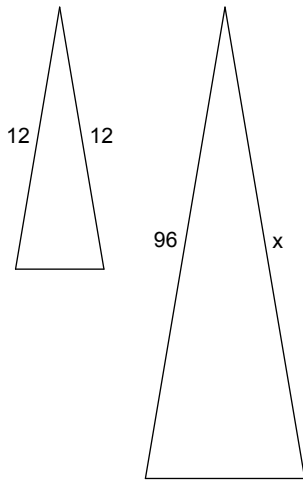
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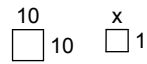
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89)



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90)



1