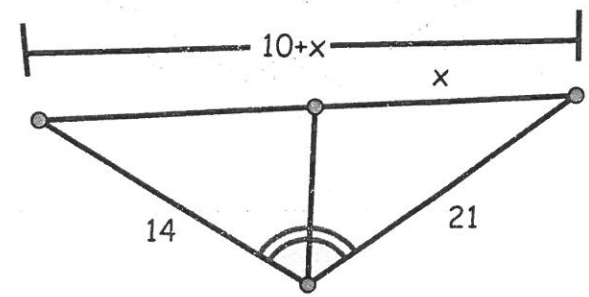
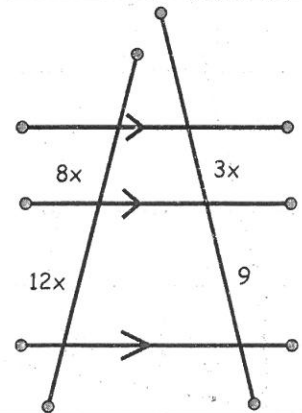
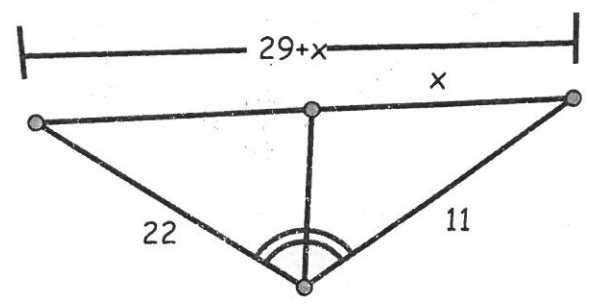
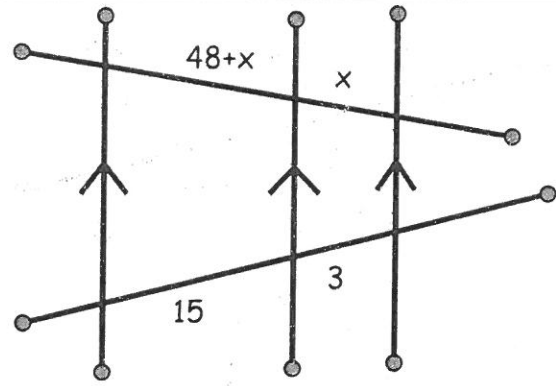
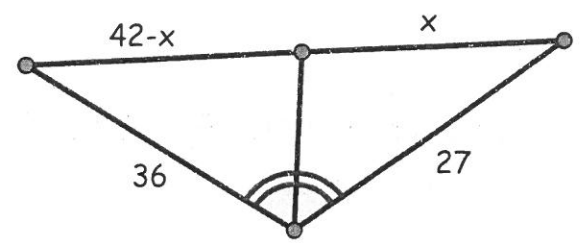
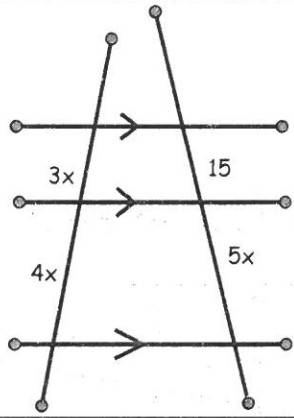
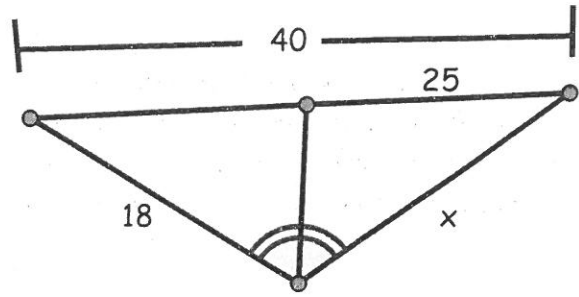
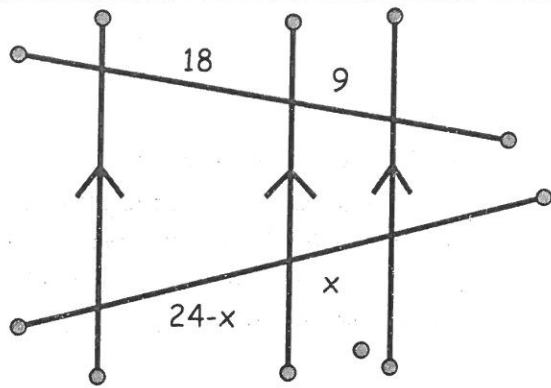
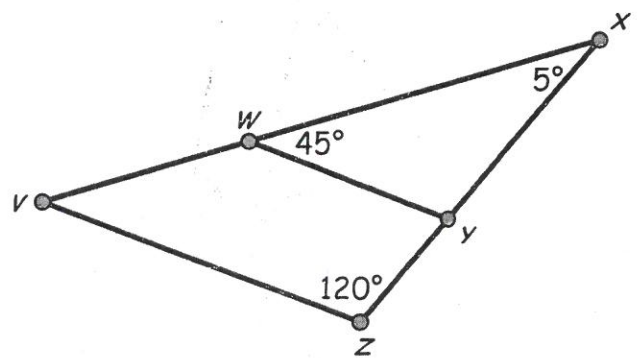
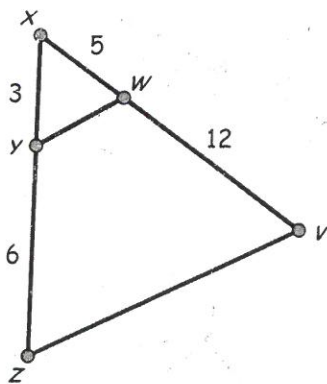
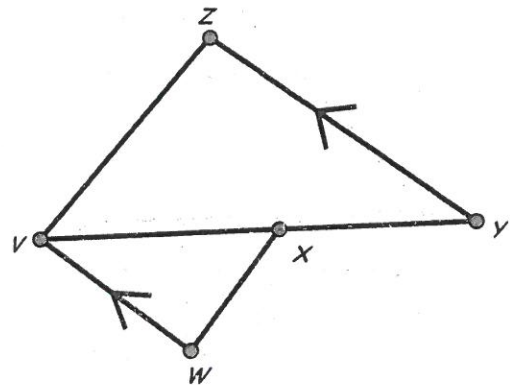
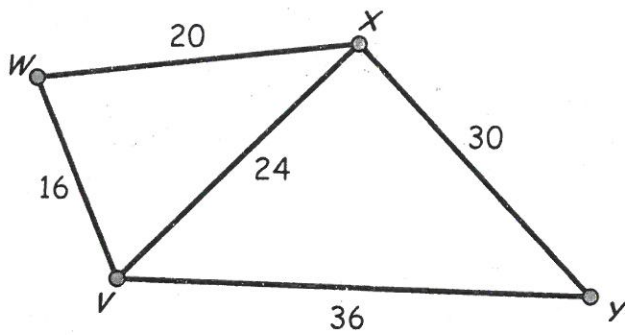
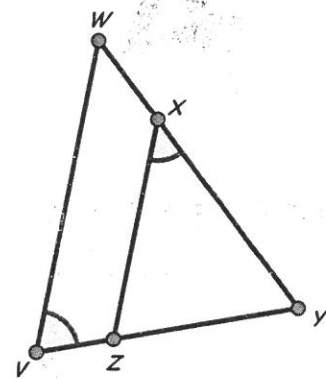
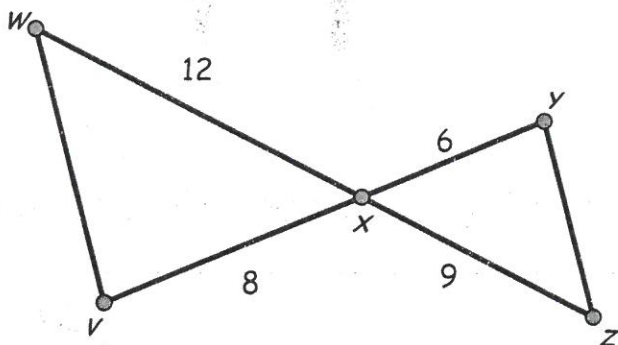
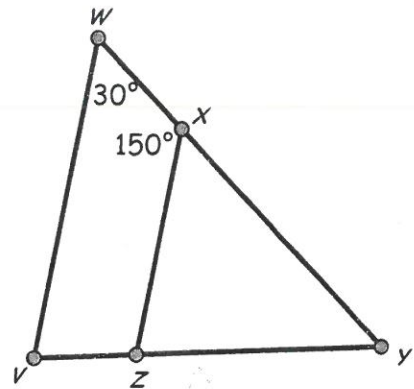
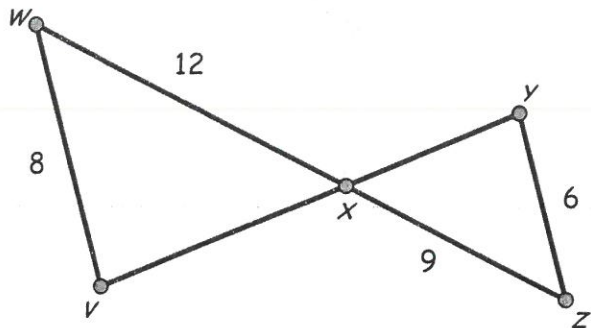


Station 1 Problems: Copy Problems & Solutions Front to Back

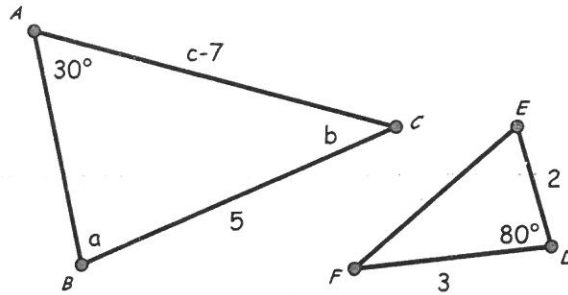


Station 2 Problems: Copy Problems & Solutions Front to Back

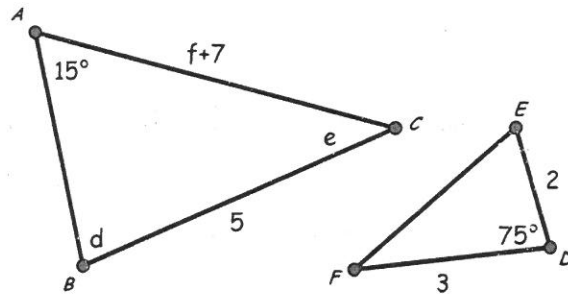


Station 3 Problems: Copy NOTHING on back

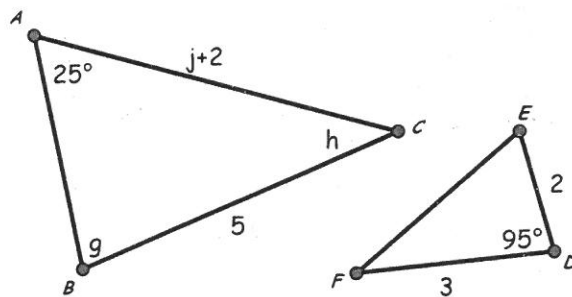
$$\triangle ABC \sim \triangle FED$$



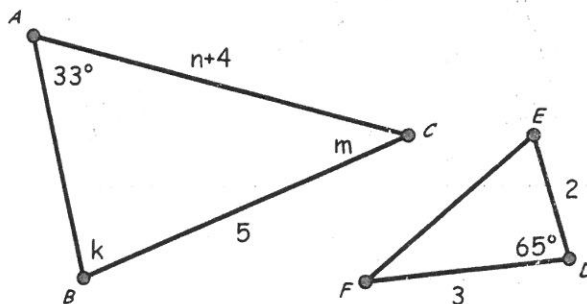
$$\triangle ABC \sim \triangle FED$$



$$\triangle ABC \sim \triangle FED$$



$$\triangle ABC \sim \triangle FED$$



Station 4 Problems: Copy Problems & Solutions Front to Back

$$\frac{x+11}{6} = \frac{4}{x+1}$$

$$\frac{x-8}{x+4} = \frac{x+5}{x+2}$$

$$\frac{1}{x+7} = \frac{x+11}{3}$$

$$\frac{x}{x+5} = \frac{x-4}{x}$$

$$\frac{2}{x-4} = \frac{x+1}{3}$$

$$\frac{x-1}{x-2} = \frac{x+4}{x+2}$$

$$\frac{x-6}{3} = \frac{2}{x-1}$$

$$\frac{x+1}{x-2} = \frac{x+5}{x-6}$$

## Station 5 Problems: Copy Problems & Solutions Front to Back

The Cardon cactus, found in the Sonoran Desert in Mexico, is the world's tallest type of cactus. Marco stands 76 feet from a Cardon cactus so that the tip of his shadow coincides with the tip of the cactus' shadow. Marco is 5 feet 9 inches tall and his shadow is 8 feet long. How tall is the cactus in feet? Round to the nearest tenth.

The Cardon cactus, found in the Sonoran Desert in Mexico, is the world's tallest type of cactus. Marco stands 75 feet from a Cardon cactus so that the tip of his shadow coincides with the tip of the cactus' shadow. Marco is 5 feet 9 inches tall and his shadow is 10 feet long. How tall is the cactus in feet? Round to the nearest tenth.

The Cardon cactus, found in the Sonoran Desert in Mexico, is the world's tallest type of cactus. Marco stands 77 feet from a Cardon cactus so that the tip of his shadow coincides with the tip of the cactus' shadow. Marco is 5 feet 10 inches tall and his shadow is 8 feet long. How tall is the cactus in feet? Round to the nearest tenth.

The Cardon cactus, found in the Sonoran Desert in Mexico, is the world's tallest type of cactus. Marco stands 76 feet from a Cardon cactus so that the tip of his shadow coincides with the tip of the cactus' shadow. Marco is 5 feet 10 inches tall and his shadow is 9 feet long. How tall is the cactus in feet? Round to the nearest tenth.

Station 6 Problems: Copy NOTHING on back

Which proportions are equivalent to the one below? Record the letters on your answer sheet.

$\frac{a}{b} = \frac{c}{d}$	(C) $\frac{d}{b} = \frac{c}{a}$	(K) $\frac{a}{d} = \frac{c}{b}$
	(A) $\frac{b+a}{b} = \frac{d+c}{d}$	(E) $\frac{a+d}{b} = \frac{c+b}{d}$

Which proportions are equivalent to the one below? Record the letters on your answer sheet.

$\frac{e}{f} = \frac{g}{h}$	(D) $\frac{e+h}{f} = \frac{g+f}{h}$	(A) $\frac{f}{g} = \frac{h}{e}$
	(E) $\frac{e+f}{f} = \frac{g+h}{h}$	(L) $\frac{g}{e} = \frac{h}{f}$

Which proportions are equivalent to the one below? Record the letters on your answer sheet.

$\frac{j}{k} = \frac{m}{n}$	(R) $\frac{k}{n} = \frac{j}{m}$	(I) $\frac{j+n}{k} = \frac{m+k}{n}$
	(A) $\frac{n}{j} = \frac{k}{m}$	(N) $\frac{j+k}{k} = \frac{m+n}{n}$

Which proportions are equivalent to the one below? Record the letters on your answer sheet.

$\frac{p}{q} = \frac{r}{t}$	(G) $\frac{q}{t} = \frac{p}{r}$	(T) $\frac{p+q}{q} = \frac{r+t}{t}$
	(A) $\frac{p+t}{q} = \frac{r+q}{t}$	(E) $\frac{t}{r} = \frac{q}{p}$