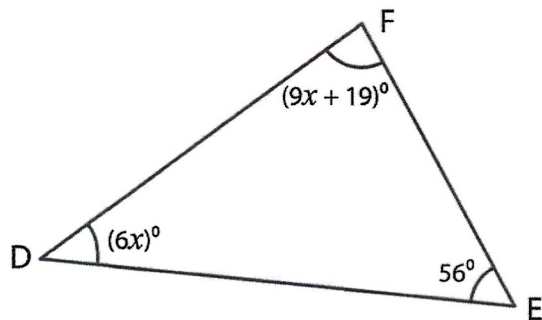


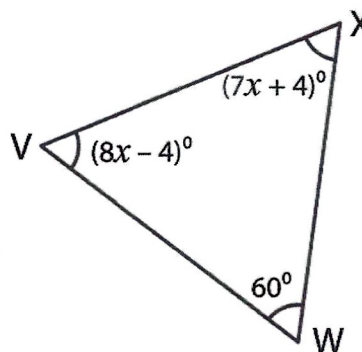
Extra Review for Triangles Quiz

1) Part A: Find the value of  $x$ .



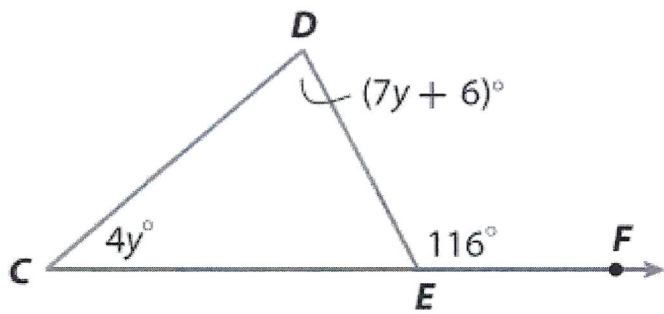
Part B: Find the  $m\angle F$

2) Part A: Find the value of  $x$ .

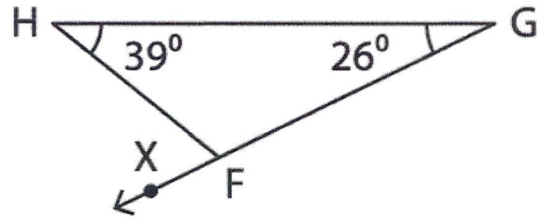


Part B: Find the  $m\angle V$

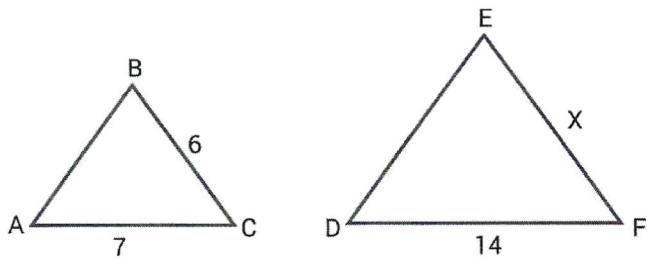
3) Find the value of  $y$ .



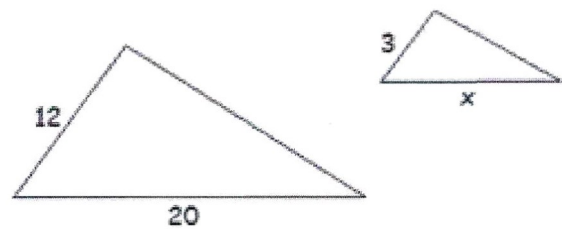
4) Find the  $m\angle X$ .



5) Find the value of  $x$  if triangle  $ABC$  is similar to triangle  $DEF$ .

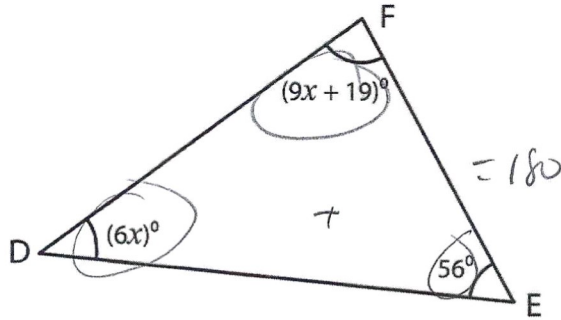


6) Find the value of  $x$  if the two triangles given are similar.



Extra Review for Triangles Quiz

1) Part A: Find the value of x.



$$6x + 9x + 19 + 56 = 180$$

$$15x + 75 = 180$$

$$\begin{array}{r} -75 \\ -75 \end{array}$$

$$\frac{15x}{15} = \frac{105}{15}$$

$$x = 7$$

Part B: Find the  $m\angle F$

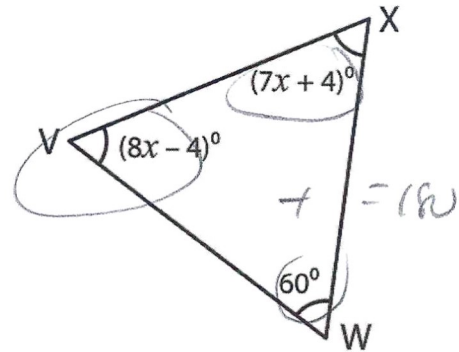
$$m\angle F = 9x + 19$$

$$m\angle F = 9(7) + 19$$

$$m\angle F = 63 + 19$$

$$m\angle F = 82^\circ$$

2) Part A: Find the value of x.



$$8x - 4 + 7x + 4 + 60 = 180$$

$$15x + 60 = 180$$

$$\begin{array}{r} -60 \\ -60 \end{array}$$

$$\frac{15x}{15} = \frac{120}{15}$$

$$x = 8$$

Part B: Find the  $m\angle V$

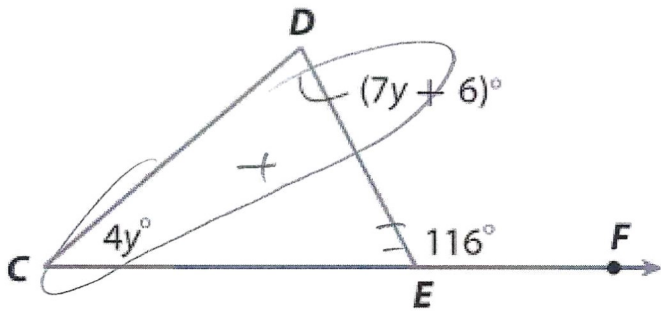
$$m\angle V = 8x - 4$$

$$m\angle V = 8(8) - 4$$

$$m\angle V = 64 - 4$$

$$m\angle V = 60^\circ$$

3) Find the value of  $y$ .



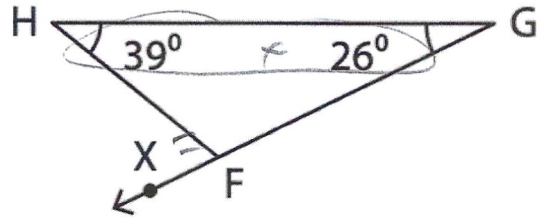
$$4y + 7y + 6 = 116$$

$$11y + 6 = 116$$

$$\frac{11y}{11} = \frac{110}{11}$$

$$y = 10$$

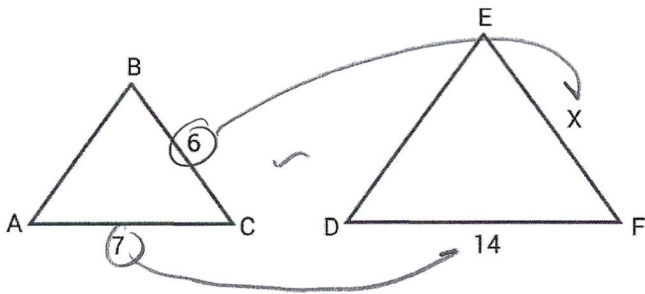
4) Find the  $m\angle X$ .



$$39 + 26 = x$$

$$65 = x$$

5) Find the value of  $x$  if triangle ABC is similar to triangle DEF.

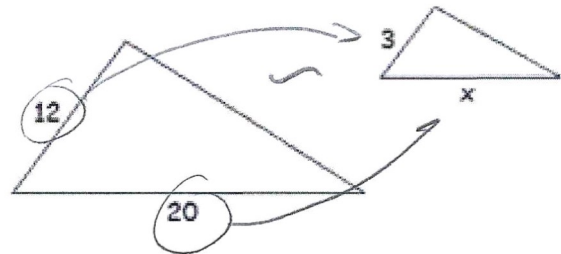


$$\frac{6}{x} = \frac{7}{14}$$

$$\frac{7x}{7} = \frac{84}{7}$$

$$x = 12$$

6) Find the value of  $x$  if the two triangles given are similar.



$$\frac{12}{3} = \frac{20}{x}$$

$$\frac{12x}{12} = \frac{60}{12}$$

$$x = 5$$