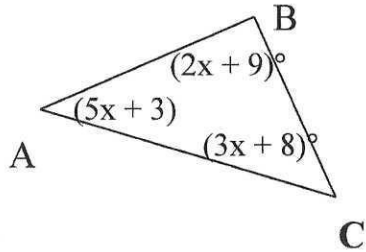


Do Now

1) Find the value of x.



D
C
M
S

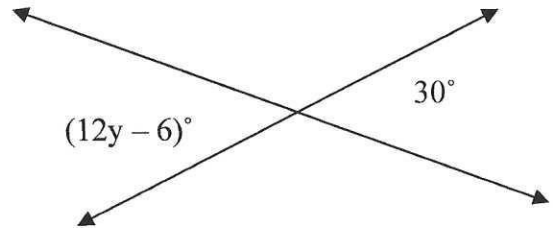
$$(5x + 3) + (2x + 9) + (3x + 8) = 180$$

$$10x + 20 = 180$$

$$\frac{10x}{10} = \frac{160}{10}$$

$$x = 16$$

2) Find the value of y in the diagram shown.



D
C
M
S

$$12y - 6 = 30$$

$$\frac{12y}{12} = \frac{36}{12}$$

$$y = 3$$

3) Solve the following for x:

D
C
M
S

$$3.5x + 6.2 = 2.2x + 11.4$$

$$1.3x + 6.2 = 11.4$$

$$\frac{1.3x}{1.3} = \frac{5.2}{1.3}$$

$$x = 4$$

4) Solve the following for x:

D
C
M
S

$$\frac{2}{3}(x + 6) = 26$$

$$\frac{2}{3}x + 4 = 26$$

$$\left(\frac{3}{2}\right) \frac{2}{3}x = 22 \left(\frac{3}{2}\right)$$

$$x = 33$$