

	Created by W Neill			
(b) Solve.				
5x - 6 = 3x + 13				
	(b) $x =$			[3]

Created by W Neill

(b) Solve.

$$5x-6=3x+13$$
 $5x-6=3x+13$
 $5x-6=3x+13$
 $5x-3x=13+6$
 $7x=19$
 $2x=9.5$

$$5x-6 = 3x+13$$

$$5x = 3x + 19$$

$$2x = 19$$

$$x = 9.5$$

$$x = 9.5$$
[3]

(b)

Video created by Will Neill

(b)
$$3(2x+d)+c(x+5)=10x+17$$

A10 Work out the value of c and the value of d. A14/15

(b)
$$c = \dots$$

Video created by Will Neill

(b)
$$3(2x+d)+c(x+5)=10x+17$$

A10

Work out the value of c and the value of d.

A14/15

$$6x + 3d + Cx + 5c = 10x + 17$$

$$6x + Cx = 10x$$

$$3d + 5c = 17$$

 $3d = -3$
 $3d + 20 = 17$
 $3d + 20 = 17$

(b)
$$c = \frac{1}{2}$$
 $d = \frac{1}{2}$ [5]

			Video created by W Neill				
10	(a)	Solve the inequality.					
		3x - 2 > 10					
			(a)	[2]			
	(b)	Solve.					
		6x + 2 = 5 - 4x					
			(b)	x =[3]			

Video created by W Neill

10 (a) Solve the inequality.

A = 3x - 2 > 10

3x - 2 > 10 3x > 12 x > 12 x > 4(a) x > 4

x>4 [2]

(b) Solve.

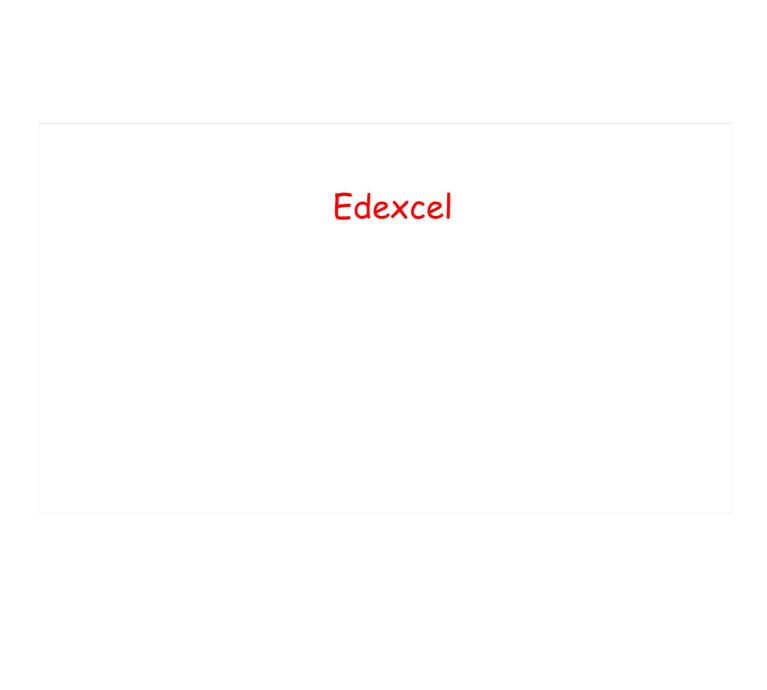
A)4/15 6x + 2 = 5 - 4x

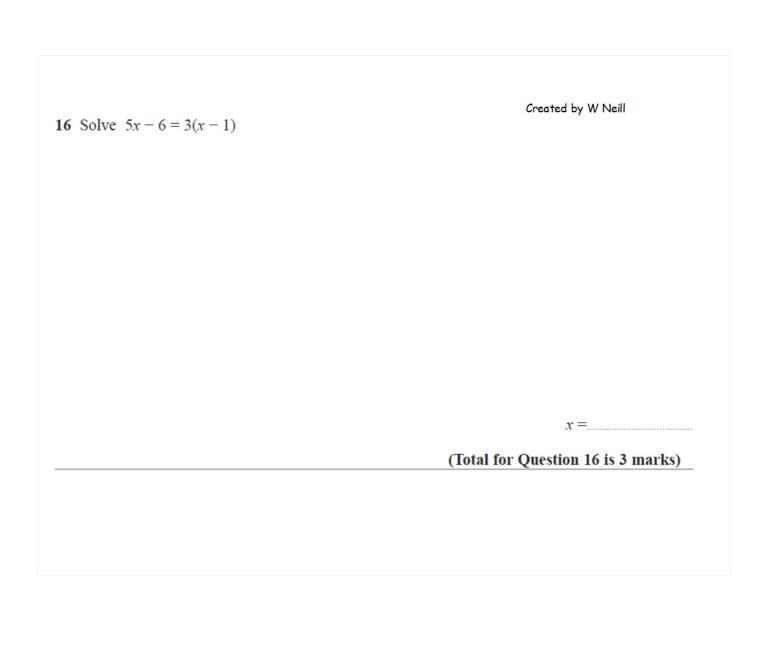
6x + 2 = 5 - 4x

6x + 4x = 5 - 2

10x = 3 $x = \frac{3}{10}$

(b) $x = \frac{3}{0}$ or 0-3 [3]





16 Solve
$$5x - 6 = 3(x - 1)$$

Created by W Neill

$$5x-3x=-3+6$$

$$2x = 3$$

$$x = \frac{3}{2}$$
 or $\frac{1}{2}$ or 1.5 $x = \frac{1}{2}$

(Total for Question 16 is 3 marks)

25 Solve $\frac{5-x}{2} = 2x - 7$

A14 A15 Video created by W Neill

x =

(Total for Question 25 is 3 marks)

Video created by W Neill

25 Solve
$$\frac{5-x}{2} = 2x - 7$$

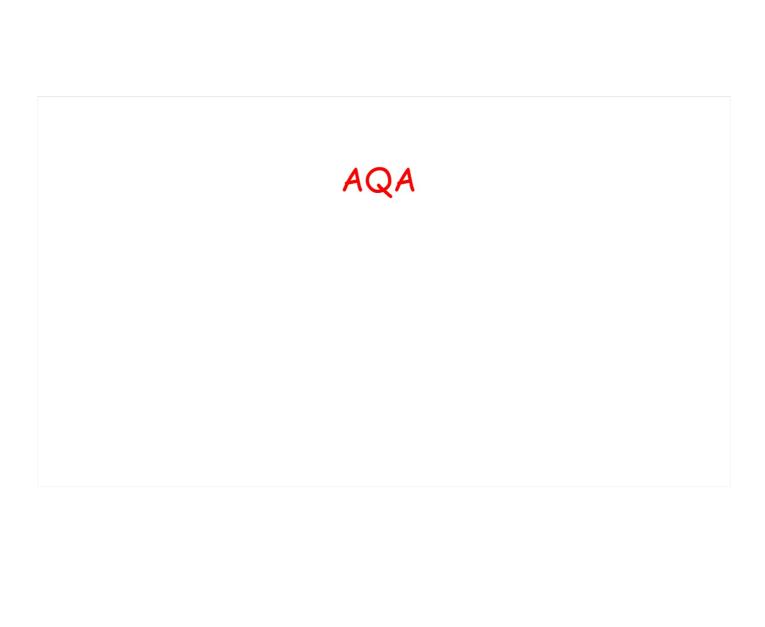
A14 A15

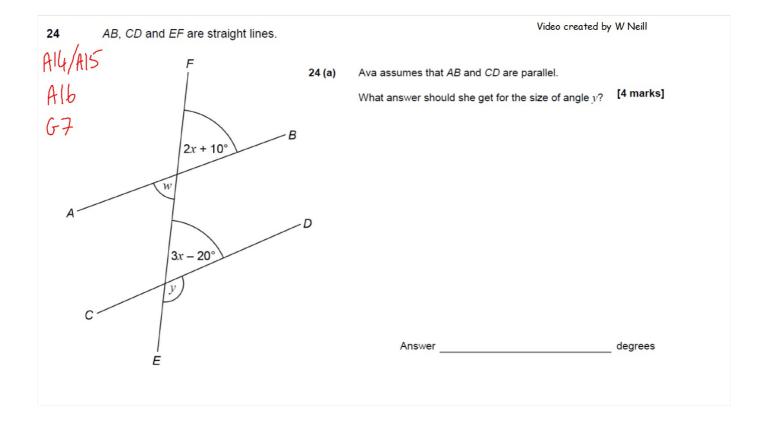
$$5-x = 2(2x-7)$$

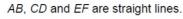
 $5-x = 4x(-14)$

$$x = \frac{9}{5} = 3.8$$

(Total for Question is 3 marks)

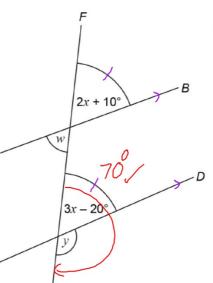






Video created by W Neill

A14/A15 Alb G7



Ava assumes that AB and CD are parallel. (a)

What answer should she get for the size of angle y? [4 marks]

What answer should she get for the size of angle
$$y$$
? [4]
$$2x+10 = 3x-2x$$

$$10+20 = 3x-2x$$

$$30 = |x|$$

$$3x-20$$

$$30 = x$$

$$90-20$$

$$= 70^{\circ}$$

27	Solve	4(3x - 2) = 2x - 5	-5	Video created by W Neill			
A14-15						[3 marks]	
		x = _					

